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FOUNDATION FOR AMATEUR RADIO

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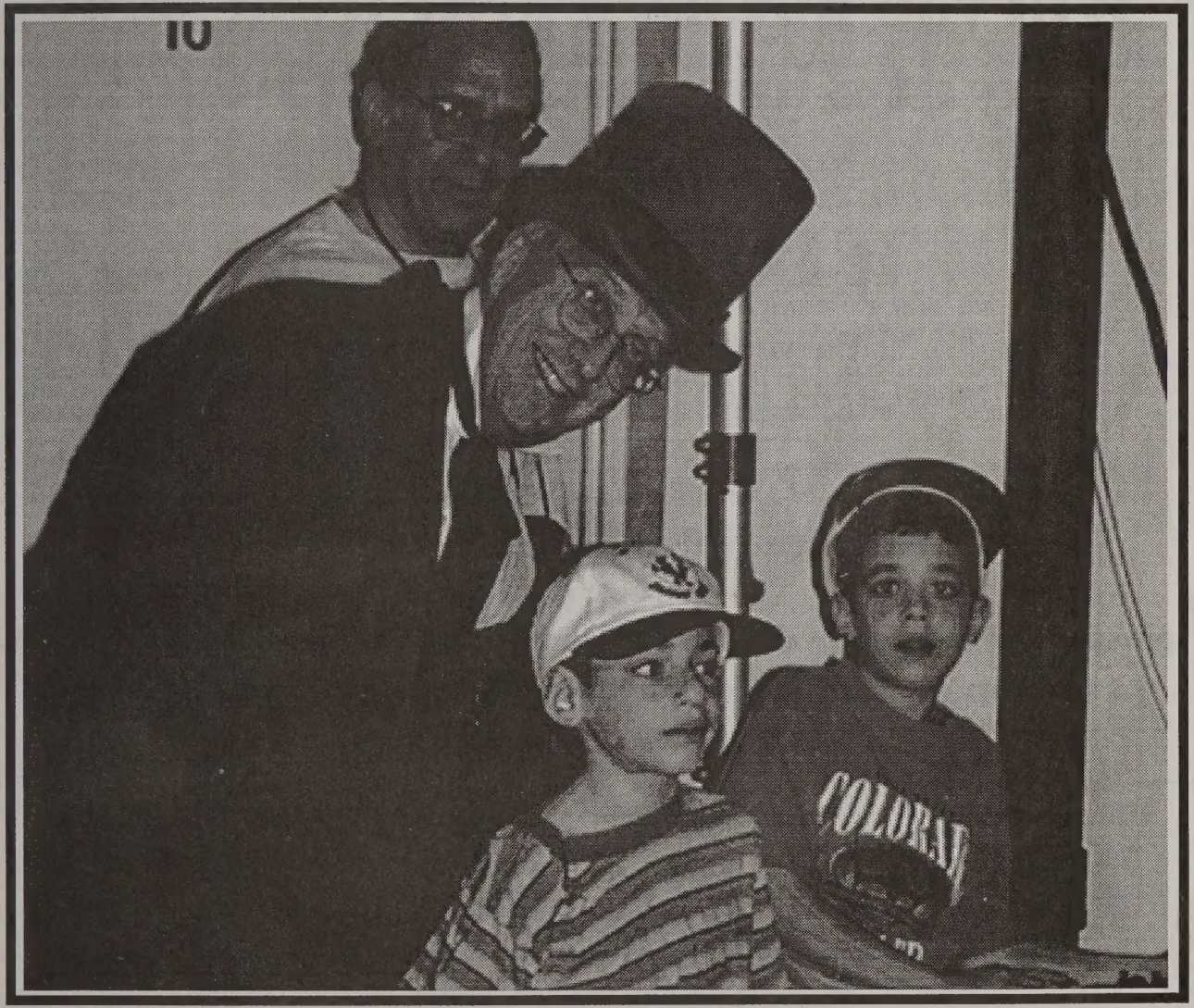
JULY 1999



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Regional Hamfests and Other Events

July 3	Rowan ARS, Salisbury, NC	704-636-5902
July 3	Murgas ARC, Wilkes-Barre (Dallas), PA	717-735-2385
July 10	Sweatfest '99, MARC Train Station, Brunswick, MD	301-473-4151
July 10	Genesee Radio Amateurs, Batavia, NY	716-343-2844
July 11	Mid-Atlantic ARC, Kimberton, PA	610-293-1919
July 18	Jonestown Mountain Repeater Assn., Beach Haven, PA	717-864-2571
July 25	Maryland Hamfest and Computer Fest, Timonium, MD	410-461-0086
July 31	Kentucky Colonels ARC, Bowling Green, KY	502-842-3193
August 1	Shenandoah Valley ARC, Berryville, VA	540-667-8629
August 15	Bluegrass ARS, Lexington, KY	606-253-1178
August 21	Ramapo Mountain ARC, Oakland, NJ	973-839-3564
Sept. 11	Saratoga County RACES Association, Ballston Spa, NY	518-587-2385
Sept. 11	Radio Association of Erie, Erie, PA	814-833-1640
Sept. 11	Triple States RAC, Wheeling, WV	304-242-2509
Sept. 11-12	Kentucky State Convention, Louisville, KY	812-294-4905
Sept. 12	Butler County ARA, Butler, PA	724-282-6777
Sept. 18	Western New York Section Convention, Buffalo, NY	716-424-7184

NEXT FOUNDATION MEETING

The Foundation for Amateur Radio, Inc. meets at 8: p.m. on the second Wednesday of each month. **Visitors are always welcome!** The next meeting will be held July 14th at the Lee Center, Alexandria, Virginia. Take Capitol Beltway to Exit 1 (US 1 North). North to the second traffic light, left on Gibbon Street to Fayette. Left on Fayette to dead end at Lee Center Parking Lot. The meeting is conducted in the conference room near the main office of the center.

Talk-in on 146.55

Photo by Gary Ryan, W3GMY

On The Cover

Pictured on the cover of Auto Call this month is Rol Anders, K3RA (in costume) showing how the telegraph key works to young visitors and their father at the 155th anniversary of the telegraph. The event was celebrated at the Historical Electronics Museum. See the HEMARC column on page 30 for full details.

American Radio Relay League Report

By John Swafford, W4HU

The purpose of The ARRL Letter is to provide essential news of interest to active amateurs promptly and efficiently, and in advance of publication in our official journal QST. The ARRL Letter strives to be fast accurate, concise, and readable. Material from The ARRL Letter may be reproduced in whole or in part in any form, including photo reproduction and electronic databases.—Credit must be given to The ARRL Letter and The American Radio Relay League.

AGREEMENT NEAR FOR PHASE 3D LAUNCH

The long-awaited Phase 3D Amateur Radio satellite could be launched into space as early as this fall. A statement from Phase 3D Project Leader and AMSAT-DL President Karl Meinzer, DJ4ZC, delivered during the Dayton Hamvention revealed that AMSAT is "in the final phase of working out the details of an agreement" to launch Phase 3D.

Meinzer's remarks were read during the AMSAT forum by AMSAT-NA President Keith Baker, KB1SF.

Meinzer said that since an opportunity to fly Phase 3D aboard the last Ariane 5 test flight fell through last summer, the Phase 3D launch team has been seeking a replacement launch. "We have been patiently negotiating with a number of different launch agencies, and it looks now that this work is starting to pay off." He said he's optimistic that a launch contract can be finalized soon.

Phase 3D would remain "a standby passenger," Meinzer's statement said. AMSAT officials declined to identify the launch agency or vehicle. Meinzer's statement said Phase 3D could fly as early as October but stressed that the date is very tentative and depends on successfully working out the remaining contract details.

"It's mostly technical issues," Baker told the ARRL. He emphasized during the AMSAT forum that things are still tentative at this point. "The October date is the opening of a window that will stretch into the future," he said.

Phase 3D integration Lab Manager Lou McFadin, W5DID, told the gathering that the spacecraft "is essentially complete." Additional integration and vibration testing will be completed this spring and summer. For more information, visit http://www.amsat.org.

IN BRIEF:

* Audio interview with Joe Walsh, WB6ACU: A RealAudio interview with rocker Joe Walsh (James Gang, Eagles), WB6ACU, now is available in the current edition of The ARRLWeb Extra magazine. Visit the Features section (http://www.arrl.org/members-only/extra/features.html) and check out the FotoGallery, where you'll also find a few pictures from the Dayton Hamvention 1999—including Joe, who also provided Hamvention banquet entertainment. By the way, because of our Dayton commitments, this edition of AWE reprises some feature articles (marked "Encore!") from earlier editions of The ARRLWeb Extra that you might have missed earlier.

* Canadian streamlining: Industry Canada—that country's equivalent to the FCC—has released a proposal to streamline the authorization process for the Amateur Radio Service. Industry Canada proposes to make the Amateur Radio Operator Certificate the sole authorization document. IC also would eliminate the radio license (and the

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MEMBER CLUBS

Alexandria Radio Club
AMSAT - Radio Amateur Satellite Corporation
Anne Arundel Radio Club, Inc.
Antietam Radio Association, Inc.
Arlington Amateur Radio Club
Baltimore Amateur Radio Club
Baltimore Radio Amateur Television Society
Calvert Amateur Radio Association
Capital City Amateur Radio Society
Capitol Hill Amateur Radio Society
Carroll County Amateur Radio Club
Central Maryland Amateur Radio Club
Charles County Amateur Radio Club, Inc.
Cheese Hollow Amateur Radio Society
Columbia Amateur Radio Association
Dulles Amateur Radio Group
Electronic Communications 2000
Fauquier Amateur Radio Association
Frederick Amateur Radio Club
Green Mountain Repeater Association
Hanover Area Hamming Association
Historical Electronics Museum
Amateur Radio Club
Laurel Amatur Radio Club
Leisure World Amateur Radio Club
MD/DC MARS (Navy Marine) Association
MADRAS
Maryland Emergency Phone Net
Maryland FM Association, Inc.
Maryland Mobileers Amateur Radio Club
Metropolitan Communications Network
Metrovision Amateur TV Club
Mid-Atlantic DX & Repeater Association
Montgomery Amateur Radio Club
Mount Vernon Amateur Radio Club
National Capitol ARES Council
National Capitol DX Association
Naval Research Laboratory Radio Club
Northern Virginia FM Association
Ole Virginia Hams Amateur Radio Club
Opequon Radio Society
Potomac Valley Radio Club
Prince George's County ARES/RACES Quarter
Century Wireless Association, Inc.
Baltimore Chapter #20
Vic Clark Chapter #91
St. Mary's County Amateur Radio Association
Shenandoah Valley Amateur Radio Club
Silver Spring Metro Center Amateur Radio Club
Southern Maryland Amateur Radio Club
Stafford Amateur Radio Association
Sterling Park Amateur Radio Club
T-MARC, Middle Atlantic Repeater Council
Vienna Wireless Society
Voice of America Amateur Radio Club
Washington Adventist Amateur
Radio Association
Woodbridge Wireless, Inc.

license issuance fee, the short-term fee, and the $24 annual renewal fee). Operator Certificates would be modified to include the assigned call sign. IC would change a $60 fee for user-initiated transactions. Details are available on the Industry Canada Web site, http://strategis.ic.gc.ca/SSG/sf01709e.html .—RAC

* PSK31 record: As a relatively new Amateur Radio mode. PSK31 "records" now are being established—to be broken, no doubt, as well. Here's one of the first PSK31 QSO between the US (W4WHN) and Cuba (CO2OJ) and on 2 meters to boot! "I don't know if there have been any other international QSOs on VHF-PSK31, but at least we are sure this one is the first between W4 and CO lands," said Oscar Morales, CO2OJ, who also worked K9KNW. He said he and W4WHN were running QRP—less than 3 W—and copy was "perfect." Both contacts took place on 144.190 MHz. Morales reports that he and others plan to be on 144.190 mornings seeking additional PSK31 contacts.—VHF Reflector

HAMS WRAP US OKLAHOMA TORNADO DUTY

Hams in Oklahoma stood down at mid-month following several days of volunteering to provide emergency communication after severe tornadoes devastated entire communities May 3. The Oklahoma storms left dozens dead, hundreds injured, and thousands homeless. Meteorologists now say the worst tornadoes were F5 storms packing record-breaking winds of 318 mph!

"It's like a nuclear bomb went off," said ARRL Public Information Coordinator Tom Webb, WA9AFM. Webb was among the hams assisting Red Cross teams with damage assessment following the storm.

Hams got initial word of the tornadoes to the National Weather Service. "The first reports of tornado development came to our forecast office through ham radio," said Dennis McCarthy, KC5EVH, the meteorologist in charge of the NWS Forecast Office in Norman, Oklahoma.

The Salvation Army's Frank McCollum, N5FM, coordinated Amateur Radio activities on behalf of his organization. McCollum, who also organized the Salvation Army's Amateur Radio efforts in the wake of the Oklahoma City federal building bombing, said that ham radio remained "critical" until cellular telephone service was restored. Ham volunteers subsequently were assigned to handle transport for meals. Some even volunteer to load and unload trucks and delivery vehicles. "We did good!" McCollum exulted.

Jim Volner, WA1VIB, reports that hams aided volunteers using heavy equipment to remove storm debris in the heavily-damaged village of Bridge Creek, 20 miles south of Oklahoma City. "I was very proud to be part of the situation where ham radio operators and the community all came together to provide a vital service," said Volner, a New Hampshire State Police retiree.

By mid-May, Oklahoma Section Manager Charlie Calhoun, K5TTT, reported that Amateur Radio efforts were officially wrapped up. "Many times we think of those who helped after the incident, but I would also like to thank the weather spotters who helped warn on this storm" Calhoun said, "If it were not for them, we could have lost many more lives." For more Oklahoma tornado information and photos, visit http;//www.hamsnet.net/kc5trr/oklahoma_disaster.htm

1999 ARRL/TAPR DIGITAL COMMUNICATIONS CONFERENCE

Digital "movers and shakers" from all over the world will be on hand in Phoenix September 24-26 for the 18th annual ARRL and TAPR Digital Communications Conference. TAPR's Greg Jones, WD5IVD, will chair this year's conference.

The ARRL and TAPR Digital Communications

Continued next page

Conference is an international forum for radio amateurs in digital communications, networking, and related technologies to meet, publish their work, and new ideas and techniques for discussion. Presenters and attendees will have the opportunity to exchange ideas and learn about recent hardware and software advances, theories, experimental results, and practical applications. The conference is not just for the digital expert, but for digitally-oriented amateurs of all levels of experience.

Conference highlights include a full day of papers, breakout sessions and selected topics on Saturday for the beginner to advanced amateur digital enthusiast; three seminars/symposia, including the third annual APRS National Symposium, moderated by Steve Dimse, K4HG, and featuring Bob Bruninga, WB4APR, Keith Sproul, WU2Z, Mark Sproul, KB2ICI, and Brent Hildebrand, KH2Z, plus a PIC development, design, and programming seminar on Sunday, The Saturday banquet will feature Geoff Baehr, N6LXZ, Sun Microsystems chief network officer as guest speaker.

Papers are due by August 9, 1999, and should be submitted to Maty Weinberg, ARRL, 225 Main St, Newington, CT 06111; Iweinberg@arrl.org. Submission guidelines are available on-line at http://www.tapr.org/dcc.

TERRESTRIAL SAREX CONTACT A SUCCESS

What's it like to travel in space? How does one become an astronaut? Does food taste different in space? That's what students from Holloman Middle School wanted to know when they spoke via Amateur Radio on May with astronaut Dr Laurel Clark, KC5ZSU. The 20-meter contact between W5RRR at Johnson Space Center in Texas and the Alamogordo Amateur Radio Club's K5LRW lasted approximately 45 minutes.

"The students asked very thought-provoking questions," said Clark. Those questions included some she wasn't expecting. The students, who attend school on Holloman Air Force Base, were intrigued by her military experience and how it related to her astronaut career.

During the contact, Clark compared life on a space station to life on a submarine. The students asked questions about short-term and long-term effects of space flight, a particular interest of Clark, a medical doctor. The students wondered about the psychological aspects of being away on long missions—the effects on both the astronauts and their families. She discussed the impact to her family life and how it was similar to military missions and mentioned the risks involved in any job and everyday life.

During the QSO, Clark talked about the training she received since becoming an astronaut and the fact that training "never stops." She talked about her experiences as a Navy scuba diver and how that will help with future space walks.

Clark concluded the contact by encouraging the students to study hard and focus on what they like to do. "There are many opportunities out there," she said. "There is no one profession or course of study that guarantees one to become an astronaut. Few are picked." She urged the students to "choose a profession that you enjoy" because people tend to excel in the things they like.

This marked the second school contact of a new NASA educational outreach program that evolved from the Space Amateur Radio EXperiment. The project began in response to the overwhelming popularity of the SAREX project. With a shortage of new shuttle flights available to flySAREX—only one SAREX mission is scheduled for 1999—a number of schools have been waiting a long time for a school contact. This project has advantages at both ends of the contact. It not only helps to alleviate the long wait for a SAREX-type contact, it also provides training for future crews of the international Space Station. The next contact, with Harbor View Elementary School in Newport

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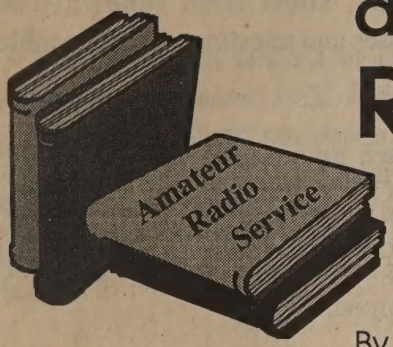
Rules and Regs



By Jack Kelleher
W4ZC

DAYTON HAMVENTION 1999

The W5YI Report for June 1 contains an excellent Report of the activity at this year's Hamvention at Dayton. Consistent with the title of this column, we will summarize the R&R material presented at the FCC Forum as reported by Fred Maia in his W5YI Report

Bill Cross, W3TN (Policy & Rules Branch, WTB) and Riley Hollingsworth, K4ZDHFCC Compliance and Information Bureau (Compliance and Information Bureau, where he is concerned mainly with Amateur Radio enforcement actions) spoke to an SRO audience.

Everyone - or nearly everyone - was waiting for an announcement on the Amateur Service Restructuring proceeding which has been underway for several months. Ill Cross is quoted by Fred Maia as saying "I can confirm, without reservation, that the rumors that have been flying fast and furious as to what the Commission has decided or will decide are just rumors. I do not have any announcement to make as to what the Commission has decided in this proceeding because the Commission hasn't decided anything as of last Thursday".

Your reporter has heard from good authority that one reason for the delay is because the restructuring matter is not independent, but a part of the overall Biennial review of FCC Rules mandated by Congress, and so the final decision will be rendered as a part of that response to Congress.

Cross summarized certain aspects of the more than 2250 responses to restructuring - number of license classes, telegraphy requirements, and comments on the nature of questions in the Question Pools with regard to the question about number of license classes.

The comments supported anywhere from 1 to 7 operator license classes . . . . I think I can safely say that simplification and streamlining isn't going to result in the same or more license classes, or new ones. Also, 1 or 2 operator license classes isn't going to encourage amateur radio operators to advance their skills the meaningful ways you want.

A two-class structure is essentially a code/no - code or a VHF and above and HF operator class structure. There isn't much support for going this way. That leaves 3 - 4 classes.

"On the written exams, your comments were generally that they aren't testing on the correct information. If you think your exams are not asking questions on the right material, it is because the right questions are not making it into the question pools. And that is probably because the QPC isn't receiving them from you. They ask for questions every year and from what I have heard, suggested questions just aren't flooding in.

"The questions about the standards used in your telegraphy examinations drew the most passionate responses. Many of you wanted a single telegraphy exam at 5 wpm. The ARRL suggested we reduce telegraphy to two elements - a 5 wpm and a 12 wpm exam.

Continued next page

The comments that asked for telegraphy requirements to be raised above 20 wpm probably are going to be disappointed."

Cross's remarks included other topics which will only be mentioned briefly here.

Regulatory Direction: Chairman Kennard laid out this year's FCC objectives in a speech on January 7, 1999. His speech is on the FCC Web page.

Licensing of amateur operators is required to comply with the ITU's International Radio Regulations (IRR S25.6), and is required by Section 303(I)(1) of the Communications Act of 1934 as amended.

Vanity call signs: As of May 5 all "Vanity" call sign applications received thru April 16th have been processed. We are still getting about 1,000 applications a month.

The Special Event call sign system is a self-administered system where certified volunteer entities serve as call sign data base coordinators. A Public Notice is on our home page so you know about this system and who the coordinators are.

The Universal Licensing System became effective on February 12, 1999 (see WT Docket 98-20). In the ULS, the Commission has revised and streamlined rules governing application procedures for every radio service including the Amateur Service, that is licensed by the Wireless Telecommunications Bureau. A summary of the changes is given in the W5YI Report.

Also covered are reciprocal licensing changes. Riley Hollingsworth, speaking extemporaneously, noted that the Amateur Service enforcement activity began last October, and that the CIB was being "as creative as the some of the people we are going after'. He mentioned that some 150 warning letters had been issued and that in 75 to 80 percent of the cases the letter resolved the problem.

Riley said that where warranted, the commission was stepping up station inspections. Other actions taken include the FCC checking into Amateur networks, short term renewals or suspension of licenses and retesting of questionable Amateurs.

All action taken against violators is public information and CIB is immediately releasing information about their enforcement activities as a warning to others that the rules must be followed and are being enforced.

Many violators want to provoke people. Holingsworth feels like that "shunning violators (ignoring them on the air) is an effective way to deal with many problem Amateurs. He also mentioned the questionable communications on 75 meters where " .40 years of enforcement might raise the activity there to CB level".

Again, thanks to Fred Maia for making us feel that "we were there

FCC'S HOLLINGSWORTH QUESTIONS LIBERTY NET
(From ARRL ltr V18 #22 5/28/99)

The FCC has asked a net control station of the Liberty Net on 3950 kHz to justify the net's use of Amateur Radio frequencies. Via Certified Mail May 7 to Extra class licensee Victor A. Misek, W1WCR, FCC Legal Adviser Riley Hollingsworth said monitoring on May 1 indicated that Misek's station and members of the group for which he was acting as net control "began transmitting on top of existing Amateur communications that were already in progress." Hollingsworth said that such operation "is considered deliberate interference and cannot be tolerated on the Amateur frequencies."

Hollingsworth also pointed out that Congress has authorized the FCC to seek information to enable it to determine the qualifications of a licensee or applicant. "We are so far unable to determine how the transmissions of this group meet

Continued next page

the standards of, or contribute to the purposes of, the allocation of frequencies for the Amateur Radio Service," Hollingsworth wrote.

Hollingsworth alluded to The Liberty Net in comments during an FCC forum at the Dayton Hamvention, openly questioning the behavior of net participants. "I don't get the connection yet" between what Liberty Net participants do on the air and the basis and purpose of Amateur Radio, he said.

In his letter to Misek, Hollingsworth suggested The Liberty Net explore operation on the Internet or seek a low-power FM broadcast grant if that service is authorized. Hollingsworth reminded Misek that Part 97 "prohibits communications on the Amateur frequencies that, on a regular basis, 'could reasonably be furnished alternatively through other services.'" He also pointed out that Part 97 prohibits broadcasting. Hollingsworth invited Misek to contact him to discuss the matter.

PROGRESS REPORT ON PRB-1 AT STATE LEVEL (TNX ARRL LTR V18 #22 5/28/99)

PRB-1 bills active in several states: Bills to incorporate the essence of the limited federal preemption known as PRB-1 into state law are active in several states. A bill in Maine has just been signed by the Governor there. Oregon's PRB-1 bill, Senate Bill 879, just cleared the state Senate by a 26 to 3 margin and has been sent on to the House of Representatives for action.

Oregon hams are being urged to contact the Chair of the House Rules, Elections and Public Affairs Committee and their own Representatives to urge speedy and positive action on the measure.

In Louisiana, HB 2088 has passed the House is headed for the Senate. It would limit the authority of local governing bodies to regulate amateur radio antennas.

Wisconsin, Idaho, Kansas, Minnesota, and Mississippi are in the planning stages of similar measures. States that already have this type of legislation include Texas, New Hampshire, Florida, Massachusetts, Wyoming, Virginia and Washington.

LEAGUE URGES FCC TO EXPEDITE RESTRUCTURING

The following item is included because it was released after the Dayton Hamvention, and indicates ARRL's dissatisfaction with the FCC's delay in acting on restructuring.

As reported in ARRL Bulletin 35, 5/20/99, The ARRL has urged the FCC to act "without delay" on Amateur Radio restructuring and has suggested that the Commission adopt the League's restructuring plan as its own in order to speed up the process. In a letter May 19 to the FCC, the League says that the state of limbo created by the current FCC Amateur Radio restructuring proceeding, WT Docket 98-143, is stifling Amateur Radio's growth, as current and prospective hams await an FCC Report and Order.

The League asked the FCC to adopt the League's plan in a Report and Order 'at the earliest possible time. The ARRL told the FCC that its comprehensive plan of four license classes and two Morse code testing tiers—5 WPM and 12 WPM—plus refarming of the Novice/Technician Plus HF CW subbands "constitutes a reasonable middle ground proposal." The ARRL's restructuring proposal formed the core of the League's comments to the FCC on WT 98-143, which the FCC refers to as the Part 97 Biennial Review.

Both the FCC and ARRL proposals would eliminate the Novice and Tech Plus licenses. The ARRL's letter stressed that "refarming" of the Novice class subbands was "the most critical portion of the League's comprehensive plan, or, indeed, of any license restructuring plan the Commission may adopt." The League said refarming was essential to make room for anticipated additional licensees using SSB HF

Continued next page

Rules and Regs (cont'd from page 11)

subbands. In addition, the League said, refarming "is absolutely necessary to preserve and enhance the incentive self-training program" and to ensure more efficient use of limited HF allocations. Under the League's plan, General, Advanced, and Extra class licensees would get additional HF spectrum for phone operation.

Judging from comments made at the Dayton Hamvention FCC forum by William Cross, W3TN, of the FCC's Wireless Telecommunications Bureau, no substantive progress has been made toward formulating Amateur Service rules changes beyond reading, analyzing, and tabulating comments. Cross said no decisions had been made on WT Docket 98-143 as of May 13.

The FCC received 2250 comments from the amateur community in the proceeding.

In its letter, the League took the opportunity to express appreciation for the support for the Amateur Service by both Chairman William Kennard and WTB Chief Thomas Sugrue and to thank the FCC for the renewed enforcement efforts of Compliance and Information Bureau Chief Richard Lee and CIB Legal Advisor Riley Hollingsworth, K4ZDH.

Spectrum Protection bill collects cosponsors: (Tnx ARRL Ltr v118 #20, 5/12/99)

ARRL Legislative and Public Affairs Manager Steve Mansfield, N1MZA, reports that as of May 7, there were 49 cosponsors on HR 783, The Amateur Radio Spectrum Protection Act. Recent cosponsors include Rep Tom Davis of Virginia, the Republican Congressional Campaign Committee chairman.

ARRL Report (cont'd from page 9)

Beach, California, is scheduled for the first week of June.—thanks to Matt Bordelon, KC5BTL

IN BRIEF:

* The answer is out there: Interest in the search for extraterrestrial intelligence (SETI)? Have a computer in your shack? Then perhaps you might be willing to give up some CPU cycles to participate in the SETI@Home project. The idea is this: You download a client application from the SETI@Home Web site, http://setiathome.ssl.berkeley.edu/, and after a little configuration, your computer is analyzing 2 MHz of radio spectrum that was recorded at Arecibo.

The best part is that you can configure the application to run only when your system is idle. You can also interrupt the application at any time, and it will pick up where it left off the next time you start it. Who knows? Perhaps your computer will be the one that detects the signal that confirms the presence of other intelligent life in our universe.—Mark Downing, WM7D

* PRB-1 bills active in several states: Bills to incorporate the essence of the limited federal preemption known as PRB-1 into state law are active in several states. A bill in Maine has just been signed by the Governor there. Oregon's PRB-1 bill, Senate Bill 879, just cleared the state Senate by a 26 to 3 margin and has been sent on to the House of Representatives for action. Oregon hams are being urged to contact the Chair of the House Rules, Elections and Public Affairs Committee and their own Representatives to urge speedy and positive action on the measure. In Louisiana, HB 2088 has passed the House is headed for the Senate. It would limit the authority of local governing bodies to regulate amateur radio antennas. Wisconsin, Idaho, Kansas, Minnesota, and Mississippi are in the planning stages of similar measures. States that already have this type of legislation include Texas, New Hampshire, Florida, Massachusetts, Wyoming, Virginia and Washington.

FAR Meeting Minutes

May 12, 1999
Alexandria, VA

FAR President, Chuck Sommer (N4OSD) called the meeting to order at 8:00 p.m. at Lee Center in Alexandria, Virginia.

The attendees introduced themselves. There were 17 trustees in attendance representing 18 member organizations. They were:

Dan Blasberg KA8YPY LARC/GMRA
Don Kirby KR3A Calvert County ARC
Tim Titus W1TRT CARA
Chuck Sommer N4OSD PG Races/Ares
Dick Maylott W2YE NCDXA/Sterling Park ARC
Hugh Katz KB3TB Voice of America ARC
Tim Dugan KA3YYP MD/DC MARS Assoc.
Hugh Turnbull W3ABC ARRL
Ed Mumford N3IRO Frederick ARC
Milder Mumford N3KGQ Frederick ARC
Phil Clark KF4NBP Fauquier ARA
Marcia Miller KD4ITP Dulles ARG
John Swafford N4HU QCWA Chapter #91
Lenny Schachter N3RPQ MADRAS/NCAC
Harry Jones N4CWP Alexandria Radio Club
Jim Rose N3FEW Southern Maryland ARC
Jason Foster N3PRZ Electronic Comms. 2000

Secretary s Report - The April minutes were approved with one change: Under Scholarship, the donation was made by George Redington (changed from Reding).

Treasurer s Report - Tim Titus(W1TRT) gave the treasurer s report, and it was approved.

Auto-Call - Tony Young (WA3YLO) was not in attendance. Ed and Mildred Mumford (N3IRO & N3KGQ resp.) reported 4 subscriptions and 4 copies sold at the Kent Island Hamfest, as well as 14 subscriptions and 8 copies sold at the Hagerstown Hamfest. John Swafford (W4HU) expressed his appreciation for the time and effort Ed and Mildred volunteer to man the FAR table at the various hamfests.

Survivor's Assistance - Tony Young (WA3YLO) was not in attendance. John Swafford(W4HU) reported he is in contact with one person who has a radio collection consisting of 88 items. It is possible that it will be put to auction, the current disposition is unknown at this time.

Scholarship Committee - Hugh Turnbull (W3ABC) reported that the due date is May 31, 1999. The committee also received a $200 donation from on of the nets that Frosty Acres was active in. Hugh also reported that the committee is receiving quite a few applications from non-hams, due to all of the listings of various scholarships in numerous financial aide documents.

ARRL Report - Hugh Turnbull (W3ABC) reported that Chris Imlay, ARRL Atlantic Division Director Kay Craige had a meeting with Riley Hollingsworth in Gettysburg, PA. Among some of the items discussed included the reorganization of the FCC enforcement dept, amateur enforcement, and many other items.

FARfest - Al Brown (KZ3AB) was not in attendance. Tim Titus (W1TRT) reported that the extensive punch list has been gone over. Table locations and a cost structure were determined. The next FAR Fest meeting will be held Wednesday, June 2, 1999 at the home of Mary Morris (N4TCI)

Old Business: None

New Business: New Club - Electronic Communications 2000 was voted on and approved as a new member club. New Trustee - Jason Foster (N3PRZ) and Herman Hildalgo (N3OKP) were voted on and approved as trustees for Electronic Communications 2000.

Continued on page 15

Heads Up! Intruders on DC Area 2 Meters

We have some illegal users on our local VHF/UHF repeaters and simplex. About 2-3 months ago a user has been appearing on at least three (3) repeaters and simplex, using unassigned callsigns or a call that is assigned to someone out of the area.

In some instances, he comes on the repeater and asks, "(callsign), are you on frequency?" or "(name) are you on frequency?" Sometimes he identifies with a callsign, sometimes not. Other times he uses a call, slurring it or saying it so quickly, it is difficult to understand.

His amateur lingo is passable but not sufficient enough not to raise eyebrows. When challenged about when he received his license he usually says "a few weeks ago", or " a month ago". But as you ask him for more information, he suddenly disappears.

Voice tones are low frequency range and lingo is CB mixed with amateur. He apparently knows how to access the internet for callsigns and to program his transceiver for PL tone. On another occasions he was in communications with a station using a non-assigned (2 area) callsign and another using a CB type name.

If you hear someone on a VHF/UHF repeater or simplex that you do not know who sounds suspicious, look him up in the internet callsign data banks (e.g. Buckmaster, QRZ, FCC, etc) and see if the call is assigned.

If he gives a name and location also see if that matches up. I believe the best thing to do, at this time, is to ignore them. If they have no one to talk to, they will, hopefully lose interest and go away.

Experience has shown that threatening illegal users has little affect. And it goes without saying that you do not want to unintentionally challenge an Amateur who is licensed.

If it continues and/or more unlicensed stations operate thru the repeaters, stringent actions will have to be taken (e.g. tape recordings, beam headings, documentation etc) and forwarded via appropriate channels, to the FCC.

Voice recognition is one ability that Amateurs have successfully developed through years of listening. Once you hear them, you will not forget their voice characteristics. Unlicensed user(s) cannot be welcomed or tolerated in the Amateur spectrum.

Please spread the word, but I would recommend that you do it via Email or telephone. I would also appreciate it if you would forward any documentation (e.g. callsign(s) heard and verified as non-assigned or out of the area as well as names heard on the air not matching the call assigned; frequency/date/time heard; strength of their INPUT signal to the repeater and what location you heard them from; tape recordings, beam headings and anything else deemed important. My email is mgreen@erols.com.

73 de Murray Green, K3BEQ
Official Observer, MDC
Amateur Auxiliary
FCC Field Operations Bureau

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Rockville Ham Named ARRL Amateur of the Year

Kenneth M. Miller, K6IR of Rockville, MD was recently named ARRL Amateur of the Year at the Dayton Hamfest, in Dayton, Ohio. Millennium, 2000, marks Ken's 60th licensed year of leadership, vision and dedication to Amateur Radio beginning when his father, a custom radio manufacturer, introduced Ken to the enchantment of amateur radio reception and transmission.

For over 2 decades he has been a Director of the world's first radio communications society, The Radio Club of America Inc., founded 90 years ago in 1909, with over 1000 worldwide members. He is also Chairman of its Grants-In-Aid Committee which awards thousands of dollars of scholarship grants annually to primarily amateur radio operators who are college students in need of financial assistance in their pursuit of their education in communications. Recently, Ken's Grants-In-Aid Committee gave five $1,000 grants to the Foundation for Amateur Radio.

Ken is an ARRL Life Member; an avid DXer, having operated from several countries; a HF contester and holder of the ARRL SSB DXCC # 1 Honor Roll and CQ WAZ awards; and prior President of the National Capitol DX Association. Ken has held executive management positions with manufacturers of radio transmitters, receivers, test instruments, radio navigation and computer equipment in his roles as VP Lear Jet Inc., President Motorola Avionics Inc., President Wilcox Electric Corp., President Penril Corp., GenMgr LearCal, and GenMgr Singer Metrics.

FAR Minutes (cont'd from page 13)

A check for $1,040.18 was received from W3USS, as a result of the Capitol Hill ARS closing its doors. The check was the sum total of the remainder from the clubs treasury. The towers will be removed on Saturday May 22, 1999 starting at 0700, if you would like to come down and watch talk-in will be on 146.52.

Announcements:

NCAC announced 150k MS Bike tour for May 15-16, Contact Bo Pierce at 703-471-1216. Dayton Hamvention May 14-16. MD FM Assoc Hamfest May 30. Manassas Hamfest June 6. NCAC public service announcements are Sunday nights on 146.91 at 2100.

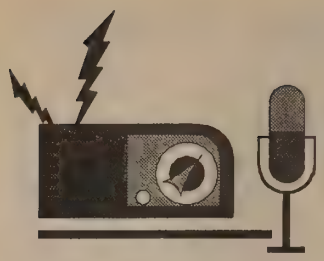
The meeting was adjourned at 8:50 P.M.

The next meeting will be held at Columbia Union College in Takoma Park, MD on Wednesday, June 9. See *Auto-Call* magazine for directions.

Respectfully submitted,
Daniel C. Blasberg Jr.
KA8YPY
FAR Recording Secretary

HELP WANTED

The American Radio Relay League is seeking a part-time support person for its Washington Office located in Fairfax, Virginia. Duties include word processing, filing, photocopying, mailing and other office work. The ideal person would have a background in Amateur Radio. Hours are negotiable and could be somewhat flexible. Please contact Paul Rinaldo, W4RI, 703 934 2077 or Walter Ireland, WB7CSL, 703 934 2078, during office hours.



DX DX DX

By John Kanode, N4MM

P51BH-NORTH KOREA APPEARS AGAIN

In mid April, Martti Laine, OH2BH made his sixth visit to North Korea and was allowed to operate in order to show the people present that Amateur Radio was not something to be feared and should be encouraged. He managed to make 263 QSOs this time.

The last time he was there and managed to get on the air, he only made about two dozen QSOs. This time, the propagation was somewhat better and he did work several US West Coast stations. He can only operate at certain times and they are not the best for most parts of the world, plus while he was operating this time, there was a solar flare.

Getting Amateur Radio established on a full time basis in North Korea is going to take some time. There are a lot of sensitive issues to deal with. While at Dayton this past month, there was talk of a big operation sometime in the near future. There is a reason why these PS operations are not announced in advance, but this is not the place to discuss it.

The operation was done on their telecom center premises with the North Koreans climbing a 150 foot tower to hoist the antennas. The rig used was a Yaesu FT-847 and it was left there for future use. The telecome facilities are located some 60 minutes from the guest house and access to the facility was only during office hours.

The operating was done on 14 MHz CW and SSB and 21 MHz SSB. First JA QSO was JA2DO, first Europe was OH5MBF and first US was W6WKE. After talking to whose in the know at Dayton, there was only a short window to the west coast and about a dozen or so US stations were worked. There were no reports of contacts with stations in the midwest or east coast of the US. I was told that at one point in the operation, Martti called CQ for two hours before he made a contact. Sooner or later, the situation there will change and P5 will be easy to put into the log on several bands.

With conditions getting better and if they can pull off a big operation soon, most should have a chance to work P5. In the last few days, I have worked many BY, BA, ED and BG stations between 21,400 and 21,425 KHz. Many DS and HL stations have been worked on 20, 17 and 15 Meters in the past weeks.

DX ACTIVITES AT DAYTON

On Friday evening, the fourteenth DX dinner was held at the Crowne Plaza Hotel. The attendance was about the same as last year, about 450. The program was a slide presentation of the recent ZL9CI DXpedition, given by Ken, ZL2HU and Murray, ZLlCN. The program was well done and not too long. Several CQ DX Hall of Fame Plaques were presented and the Southwest Ohio DX Association gave out their DXpedition of the year award and the DXpeditioner of the year award.

The DX Forum was on Saturday and it was held at the Meadowdale High School about a mile from the Hamvention site. The program started with Ken Mills, N7NG giving a presentation on the upcoming DXCC-2000 Challenge awards and the DeSoto Cup. Slide presentations were given on the recent St. Brandon, 3B9RF DXpedition and the Campbell Island, ZL9CI DXpedition. Jim, WU3V gave a power point presentation on the new "AR Cluster".

Bill Moore, NC1L and Don Search, W3AZD were checking QSLs for DXCC awards. I was told they checked over 4000 cards. Another highlight at Dayton this year was that Bernie, W3UR and his wife were passing out E44DX QSL cards at

the Crowne Plaza Hotel after the DX and Contest Dinners.

UPCOMING DX CONTESTS

RAC Canada Day Contest	July 1
Venezuela SSB DX Contest	July 3-4
IARU HF Championship	July 11-12
SEANET CW Contest	July 17-18
North American RTTY QSO Party	July 17-18
Venezuela CW OX Contest	July 24-25
IOTA Contest	July 24-25

TIDBITS

MFJ acquires Hy-Gain antennas, towers and rotators. Hy-Gain will remain a separate entity in Starkvill, MS. The company will continue the entire product line that is currently being produced, plus it will introduce several new products.

On August 8, 1999, the residents of East Timor will vote to determine whether they want to become independent from Indonesia. If they do vote to become independent, they are on the way to become a new DXCC entity. Once they become independent, they must become a UN Member State or join the IARU or obtain an official ITU callsign block assignment in order to be a new DXCC entity. This one is worth watching.

The 2000 Visalia International DX Convention will be at the Holiday Inn in Visalia on April 14-16, 2000. I attended this DX event in 1998 and it was very well done and has lots of good DX presentations and they give away some real good prizes. Also, they have a room for companies to set up and display and sell their products. They had about 650 attendees in 1998. One big problem, it is in the middle of nowhere when it comes to air travel.

QSLs being received as of May 24, 1999- FT5ZH, E44/HA1AG, EL2WW, FOØEEN, XZ1N, V73UB, P29WK, VK6EWI, XU7AAN, E41/OK1DTP.

Do you have a nomination for FAR's Ham of the Month?

Any licensed amateur radio operator in the *Auto-Call* subscription area who has contributed significantly to the amateur community can be nominated. Provide a narrative of 250 to 500 words describing the contributions of the nominee and forward to the FAR Ham of the the Month nomination chairman, Tony Young, WA3YLO, at 12016 Long Ridge Lane, Bowie, MD 20715.

Amateur Radio Training

John Forrest WZ4A
6111 Burnett St., Alexandria, VA 22310
(703)971-3905

Please send announcements for training classes and club training contacts to WZ4A at the above address. Deadline is the 25th of the 2nd month prior to the *Auto Call* publication date (e.g., 25 December for the February issue).

Club Training Contacts

Alexandria RC	Rich Adamy KA4GFY	(703) 644-3920
Anne Arundel RC	Tony Young WA3YLO	(301) 262-1917
Arlington ARC	Mike Callaham NW3V	(703) 241-5618
Antietam Radio Assn.	Robert Long KD3JK	(301) 824-5132
BRATS (Baltimore)	Joe Chidester W3SHZ	(410) 602-0353
Baltimore ARC	HAM-TALK, BARC Voice Mail	(410) HAM-TALK x3835
Central MD ARC	Jim Tilton KD3JA	(301) 552-0012
Dulles ARG	Michael Weber WB8RDN	(703) 450-2304
Fauquier ARA	Neil Spokes AB4YK	(540) 364-3861
Frederick ARC	Hal Silverman W3HWC	(301) 831-7946
Historical Electronics ARC	Rol Anders K3RA	(410) 796-4792
Laurel ARC	Pud Reaver W3YD	(301) 498-6293
Mid-Atlantic DX Assn.	Michael Vaia, WB8VBW	(301) 738-3861
Madras	Larry Ziecheck, N3GKZ	(301) 984-6113
MD Mobileers ARC	Bruce Colburn AA3KR	(410) 437-1891
Montgomery ARC	Rocky Jones KC4UXO	(301) 216-5210
Mt. Vernon ARC	John Forrest WZ4A	(703) 971-3905
NASA/Goddard ARC	Vikki Gigante KA3PVS	(301) 249-2609
Ole VA Hams ARC	Charles Dale WA4YGI	(703) 361-3091
Pentagon ARC	David Boyd K9MX	(540) 659-6241
St. Marys Co. ARC	Peter Butt WA3UMY	(301) 862-2214
Shenandoah Val ARC	Fred Wetzel W4KRT	(540) 678-0394
Southern MD ARC	Vic Curtis WA3YUV	(301) 888-1388
Southern Pax ARC	Dwayne Kincaid WD8OYG	(410) 586-2177
Stafford Adult Ed	Jerry Mullinix AC4HK	(540) 659-3905
Sterling Park ARC	Forrest Snyder N4UTY	(703) 430-4149
Tri-County ARC	John Creel WB3GXW	(301) 572-5124
Vienna Wireless	Kurt Wehle, WA4SMI	(703) 534-3905
Woodbridge Wireless	Jim Duffey WD4AIR	(703) 491-3170

The Foundation For Amateur Radio, Inc.

Washington, DC

Volunteer Examiner Cooperative

JOHN FORREST WZ4A
6111 Burnett St.
Alexandria, VA, 22310
(703) 971-3905

* Volunteer Examiners may refuse to test any applicant who fails to demonstrate to the VE's satisfaction that the memories in the applicant's calculator are empty. If you bring a calculator to an exam, please be prepared to demonstrate that your memories are empty.

* Effective January 1, 1999, the maximum FCC authorized exam fee is $6.49.

1999 Schedule of Examinations

July 1 (Thursday)	**Martinsburg, WV** - Mid-Atlantic DX and Rptr Soc. and Winchester ARS (ARRL VEC) Pre-Registration Preferred, Limited Walk-In Contact: Greg Lanham KU4AN (540)722-4792 kuan@visuallink.com Alan Moeck WA2RPX (540)869-1117 arm@visuallink.com

July 10 (Saturday)	**Sterling, VA** - Dulles ARG (ARRL VEC) Walk-In Contact: Mike Weber WB8RDN (703)450-2304
	Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In Contact: John Forrest WZ4A (703)971-3905 Frank Mackey K4EC (703)455-1510
	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Oscar Ramsey NV3G (301)262-3392

July 14 (Wed.)	**Winchester, VA** - Shenandoah Valley ARC (ARRL VEC) Pre-Registration Preferred, Limited Walk-In, Contact: Fred Wetzel W4KR (540)678-0394 Greg Lanham KU4AN (540)722-4792 kuan@visuallink.com Alan Moeck WA2RPX (540)869-1117 arm@visuallink.com

Don't forget to bring your license when upgrading!!

July 17 (Saturday)	**Laurel, MD** - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In Contact: John Creel WB3GXW (301)572-5124 after 6 PM
	Fredericksburg, VA - Fredericksburg VE Team (ARRL VEC) Walk-In Contact: Carolyn Cavanagh AC4SK (540)373-0572
July 25 (Sunday)	**Hagerstown, MD** - Antietam Radio Assn. (ARRL VEC) Pre-Registration Desirable, Limited Walk-In. Contact: George Carpenter N3QFS (301)842-3130. Bob Long KD3JK (301)824-5132
August 14 (Saturday)	**Alexandria, VA** - Mt. Vernon ARC (Laurel VEC) Walk-In Contact: John Forrest WZ4A (703)971-3905. Frank Mackey K4EC (703)455-1510
	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Oscar Ramsey NV3G (301)262-3392
	Cumberland, MD - (Laurel VEC) Walk-In Contact: Gay Rembold W3DFW (301)724-0674
August 21 (Saturday)	**Laurel, MD** - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In Contact: John Creel WB3GXW (301)572-5124 after 6 PM
August 31 (Tuesday)	**Annapolis, MD** - Maryland Mobileers ARC (Laurel VEC) Pre-Registration Preferred, Limited Walk-In Contact: Lois Turner (410)647-4178
September 2 (Thursday)	**Martinsburg, WV** - Mid-Atlantic DX and Rptr Soc. and Winchester ARS (ARRL VEC) Pre-Registration Preferred, Limited Walk-In Contact: Greg Lanham KU4AN (540)722-4792 kuan@visuallink.com Alan Moeck WA2RPX (540)869-1117 arm@visuallink.com
September 11 (Saturday)	**Alexandria, VA** - Mt. Vernon ARC (Laurel VEC) Walk-In Contact: John Forrest WZ4A (703)971-3905 Frank Mackey K4EC (703)455-1510

Don't forget to bring your license when upgrading!!

September 11 (Saturday)	**Davidsonville, MD** - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Oscar Ramsey NV3G (301)262-3392
September 12 (Sunday)	**Middletown, VA** - Winchester ARS (ARRL VEC) Pre-Registration Preferred, Limited Walk-In Contact: Greg Lanham KU4AN (540)722-4792 kuan@visuallink.com Alan Moeck WA2RPX (540)869-1117 arm@visuallink.com
September 18 (Saturday)	**Laurel, MD** - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In Contact: John Creel WB3GXW (301)572-5124 after 6 PM
October 7 (Thursday)	**Martinsburg, WV** - Mid-Atlantic DX and Rptr Soc. and Winchester ARS (ARRL VEC) Pre-Registration Preferred, Limited Walk-In Contact: Greg Lanham KU4AN (540)722-4792 kuan@visuallink.com Alan Moeck WA2RPX (540)869-1117 arm@visuallink.com
October 9 (Saturday)	**Alexandria, VA** - Mt. Vernon ARC (Laurel VEC) Walk-In New Location This Month Only - Call for Directions Contact: John Forrest WZ4A (703)971-3905, Frank Mackey K4EC (703)455-1510
	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Oscar Ramsey NV3G (301)262-3392
	Cumberland, MD - (Laurel VEC) Walk-In Contact: Gay Rembold W3DFW (301)724-0674
October 10 (Sunday)	**Middletown, VA** - Winchester ARS (ARRL VEC) Pre-Registration Preferred, Limited Walk-In, Contact: Greg Lanham KU4AN (540)722-4792 kuan@visuallink.com Alan Moeck WA2RPX (540)869-1117 arm@visuallink.com
October 16 (Saturday)	**Laurel, MD** - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In Contact: John Creel WB3GXW (301)572-5124 after 6 PM

Don't forget to bring your license when upgrading!!

Volunteer Examiner Cooperative

EXAM FEES:

* Check for appropriate exam fee. Fees and modes of payment for individual VECs and exam teams may vary.
* ARRL VEC exams cost $6.45
* Laurel VEC exams are free
* W5YI VEC exams cost $6.45

BRING TO EXAM:

* Picture identification
* Completed FCC form 610 (most VE teams will supply at exam)
* Original and a copy of current FCC amateur radio license
* Originals and copies of all active certificates of successful completion of prior exams
* Exam fee (check or cash depending on VE team)

"GRANDFATHER" CREDIT FOR ELEMENT 3B (GENERAL WRITTEN):

* If you presently hold a Technician class license which was first issued prior to March 21, 1987, you may be grandfathered for Element 3B (General class written exam) by presenting the original and a copy of the license dated prior to March 21, 1987 to the VE team. It is your responsibility to prove that you are entitled to grandfathering. Do not lose your original license!

RULES FOR SUBMISSIONS TO THE FAR VOLUNTEER EXAMINER COOPERATIVE:

1. All submissions must be in writing
2. Date and day of week must be specified for each exam date
3. Point of contact and phone number must be specified
4. Sponsor and location must be specified
5. VEC must be specified
6. Exam dates up to 12 months in advance will be accepted
7. Deadline for submission is 25th of the 2nd month prior to publication date (e.g., January 25 for March issue)

Alexandria Radio Club

Meetings: Second Friday of each month, 7:30 PM at the Alexandria Fire Department Administrative Office (co-located with Fire Station #54), 900 Second St., Alexandria, VA
Nets: Every Thursday at 8:00 p.m. on 147.315 output / 147.915 input. (W4HFH repeater)
Web page: http://members.aol.com/N4CWP/W4HFH.HTML (or search on Yahoo: W4HFH or Alexandria Radio Club).
Information: Rich -KA4GFY, 703-644-3920.

We have not had an article in AutoCall for a few months but the club HAS been busy.

The St. Patrick's Day Parade in Alexandria went well despite some minor difficulties. Bad weather did not dampen the spirits of those who attended and club members who came out to provide the communications support learned the meaning of "Be prepared".

Murphy made an appearance causing one leg of the packet link to not operate as planned. We resorted to the "low tech" solution to keep communications going. The bottom line: the parade organizers never knew anything had happened. Our management suggestions paid off big time. Thanks to everyone who braved the cold and the rain to make our participation a success.

Our May meeting was moved from its normal 2nd Friday to the 3rd Friday in honor of the Dayton Hamvention. Three members made the trip this year and had a great time. Dayton was the May program along with a discussion of various methods of tracking hidden transmitters.

Rick, N4ASX, showed the Arrow Antenna. It's a lightweight 3- element beam with a handle on it. Harry, N4CWP, provided some data on his wonder loop that had been successful in the last hunt and Shawn, KA3RQR, provided some details on making loops.

We put this knowledge to work as Harry, N4CWP, became the hidden transmitter for the monthly transmitter hunt. Rick and Karen were the winners (first time in 2 years) due largely to luck and Karen's eye sight. Rick and Karen will be the hidden transmitter for the June 12th hunt. Rich, KA4GFY and Tommy, WA4RBE, teamed up for this hunt but were a little late, but they did find Harry within 90 minutes. Not bad. The only rules are the transmitter is hidden somewhere in Alexandria.

Listen on the 147.315/444.600 repeaters around 9AM for information and the hunt starts on 146.49 (the hunt frequency) at 9:30 the Saturday following club meetings. All are invited to participate, and prizes are awarded.

We also have special activities scheduled this summer. The first is a special event station July 10th to celebrate the 250th anniversary of the City of Alexandria. Plans are to set up a station in the park at Prince Street for part of the weekend and from other locations as well. See the Special Events column in July QST for times and frequencies.

August 14 is the date for the Irish Festival in Old Town Alexandria. We plan to set up a demonstration station. See next month's column for more details. Any club members who are interested in participating should get in touch with Karen, our resident Ballysanner.

Don't forget we are now meeting in our new location at the Fire Department Training Center in Alexandria. It's co-located with the Lee Recreation Center in Alexandria. The July meeting will be the after Field Day meeting, but we hope to have a good program. Check into the Thursday evening net for more details and directions.

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E-mail: madra@qsl.net

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AND
COMPUTER FEST

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SUNDAY, JULY 25, 1999

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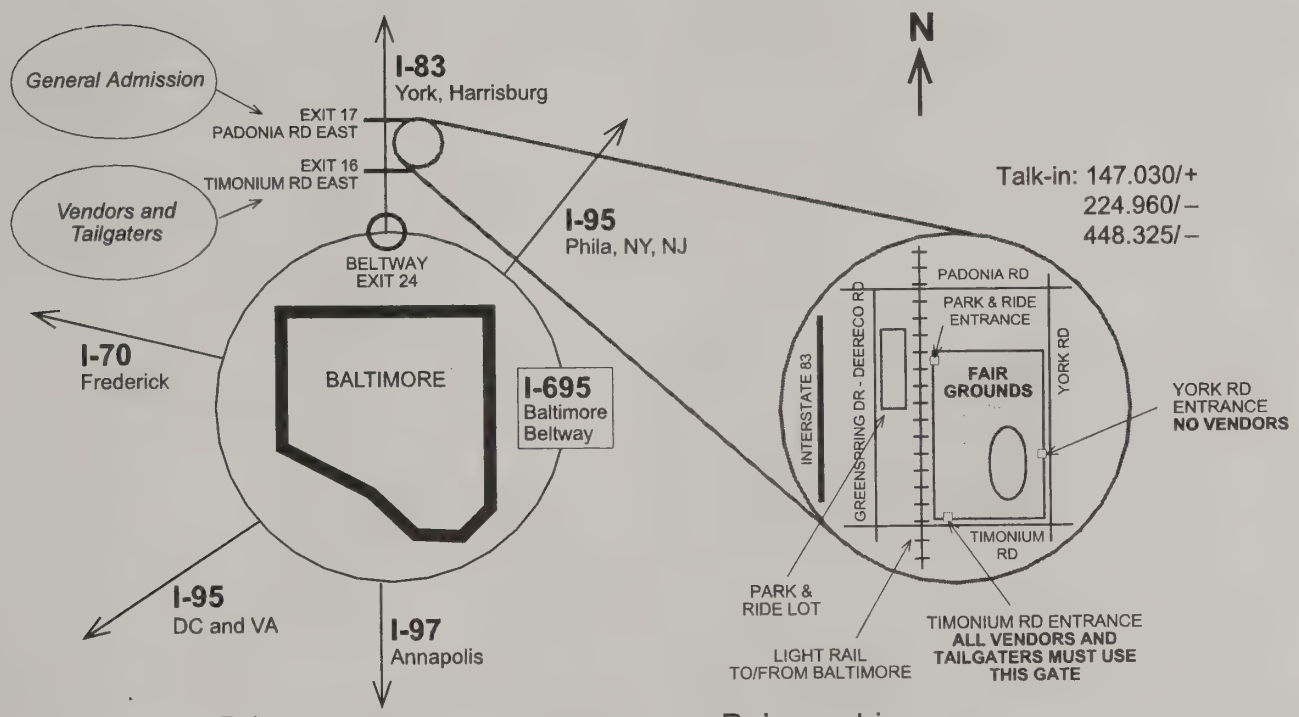
Grounds open for Tailgating at 6:00 AM, Buildings open at 8:00 AM
ACCESSIBLE TO THE HANDICAPPED
KIDS UNDER 12 FREE



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FREE VE EXAMS AT 9:00 AM ONLY, CHECK-IN AT 8:30 AM
PRE-REGISTRATION REQUIRED, CALL 410-461-0086

Tables Available
For information, table reservations, and VE exam pre-registration, contact:
BRATS / PO Box 5915 / Baltimore, MD 21282
410-461-0086 voice or fax
http://www.smart.net/~brats • e-mail brats@smart.net

AARC Anne Arundel Radio Club

Meetings: 8 PM 1st and 3rd Thursdays, Davidsonville Family Recreation Center, Queen Anne Bridge & Wayson Roads off MD Rt. 214 near Annapolis.
On the air: 2030 Thursdays when there is no club meeting on 147.705/105. Tuesdays at 2030 local time on 28.410. Wednesdays at 2000 on 444.400. The Chesapeake Weather & Traffic Net on 147.705/105 at 1100 and 1500 every weekend day and public holiday from April 1 to November 15. MSN (Maryland Slow Net) every evening at 1930 on 3.7170 MHz.
Address: P.O. Box 308, Davidsonville, MD 21035.
Information: Margaret (Holly) Bevan, 410-923-0229.

May was another very busy month with public service events. On May 2nd, Ray Allen, Sr./ W2KBR coordinated the communications for the annual Bay Bridge Run sponsored by the Annapolis Striders. Registration for the 3,000 runners had been closed for weeks.

The eighth annual Walk for the Animals sponsored by the SPCA was held on May 16th at Quiet Waters Park in Annapolis. Eleven members, coordinated by Wm. (Stan) Stanek/N3PPJ, were on hand to handle communications. One thousand walkers with their pets raised $100,000.00 to benefit the more than 5,000 unwanted animals brought annually to the SPCA of Anne Arundel County.

We have still another silent key to report. Paul Raeder,Sr.,69, died May 9th of liver cancer at his home in Laurel.

Paul was born and raised in Washington, D.C. He attended St. John's Military High School and Ben Franklin School of Business. After serving in the Army, he became a civilian accountant for the Air Force for 34 years. He retired in 1984.

Paul was a lifetime member and past commander of American Legion Post 217 in College Park. He was a member of the Laurel Amateur Radio Club and the Anne Arundel Radio Club.

Mr. Raeder is survived by his wife of 47 years, JoAnn, four sons, two daughters, 17 grandchildren and one great-grandchild. He was buried in the Maryland Veterans Cemetery in Crownsville. Paul had been a member of AARC since March of 1994.

At the clubhouse on May 8th, Coordinator Oscar Ramsey/NV3G, Ham Molz/N3FDH, John Kohl/KO4A and Mike Bevan/WA3NAK gave 15 tests to 11 persons. Eight tests were passed with five upgrades. Other members of the team were Harlan Ray/AA3FE and Herb Elkin/NA1VY. The next testing session at the clubhouse will be on July 10th.

73, Holly/N3MB

Arlington Amateur Radio Club

Meeting: Third Tuesday of each month, 7:30 P.M., Red Cross building, 4333 Arlington Blvd., Arlington, VA. Nonmembers welcome!
Net: Tuesdays (except meeting nights), 7:30 P.M., 144.87/145.47 Mhz FM.
Information: Mike Callaham, NW3V @ W3TOM, callaham@tmn.com, (703) 241-5618.
WWW: http://www.geocities.com/CapeCanaveral/Lab/4306/

Minutes of the May 18, 1999 meeting of the Arlington Amateur Radio Club. President Jack

WA4FXX called the meeting to order at 1940L. Also attending were Keith KC1AD, Kay KC4ATV, Tom N4BYF, Mike KA8OPJ, Chester KB4UGP, Mike NW3V.

The minutes of the April meeting as published on the Web page, and the treasurer's report as submitted, were approved.

There was no recent FAR and ARRL news, as our regular reporters were otherwise occupied.

The start-up procedure for the chapter house generator was demonstrated. It requires a Ph.D.: "Push here, Dummy!" (on the start button in the utility closet behind the radio room). The procedure will be optimized before we actually need it in an emergency.

FD will be held at the chapter house again, since that would be our major site for most emergencies. It will be an opportunity to show hospitality to our unfortunate brethren preparing for disasters in poor weather outdoors.

Generous souls they are, especially the Vienna, Mt. Vernon, and Alexandria clubs, returning our invitations, should the weather unexpectedly be nice that weekend. The AARC effort will try to duplicate last year's success, following most of the same recipe.

Following the business meeting, KC4ATV spoke on the Navy-Marine MARS system, and their roles in emergency and public service communications. Probably we will cooperate in an exercise on FD weekend.

Later, KC1AD discussed trunk-tracking receivers and demonstrated his Uniden Bearcat 895XLT. Thanks to both for enjoyable presentations.

Respectfully submitted,
Mike KA8OPJ, Secretary

Capital City Amateur Radio Society

Meetings: 3rd Saturday of each month at 1200 hours at the Woodridge Public Library, 18th and Rhode Island Ave, N.E., Washington, D.C. Visitors welcome.
Repeater: W3ETX 144.51/145.11 MHz, open.
Nets: Computer Monday at 2000 hrs., Regular net Wednesday at 2000 hrs. RTTY net Thursday 2100 hrs., voice portion 2145 hrs. all on 145.110.
Mailing Address CCARS P.O. Box 92304 Washington. D.C. 20090-2304
Information: Steve, W3ETX, (202) 526-1329 or Joe K3UAL (301) 773-5074 EMail K3UAL @Juno.com.

CCARS monthly meeting was well attended. Some old new faces were present at this meeting. All members are asked to call a member you have not seen lately at our meetings. Let them know we all are thinking of their well being.

Willis Stewart N3LGB (our Treasurer) informed the club that the Chester Martin Scholarship Fund is in the final stages of its organization. Bank arrangements and other planning is in place.

The Nominating Committee, James Coleman AA3CD and W. Joe Saunders K3UAL presented the slate of 1999 Officers to the body for action. The slate was voted on an elected for the club Officers of 1999: President - Calvin Cooley WA3HPS Vice President - Colin Wiseman N3UBI Secretary - Cyrus Parker N3EPH Treasurer - Willis Stewart - N3LGB

Board of Directors
Weaver Shepperson - WB3KIC
Ernest Stephens - W3ETX
W. Joe Saunders - K3UAL

Congratulations to Ed W3HQ with his new ICOM 756 and Shep WB3KIC with his TS-570DG. You fellows will enjoy many happy hours of DX.

Our prayers go out to Juanita N3NQC, she is back in the hospital, we wish you an early recovery.

73's, Joe K3UAL

Columbia Amateur Radio Association

Club meeting: Every fourth Tuesday of the month at 7:30 p.m. at Bethany United Methodist Church on Bethany Lane in Ellicott City. Monitor net repeater for directions.
Repeaters: 147.735/147.135 (cross-linked to 222.32/223.92). Net Repeater. PL control of 156.7. 147.990/147.390. Open autopatch and direct dial 911. 222.32/223.92 (cross-linked to 147.735/147.135). 443.275/448.275 PL control of 156.7. 444.475/449.475. Autopatch & 911.
Mailing: Columbia Amateur Radio Assoc. (CARA), Box 911, Columbia, MD 21044.
Web Page: http://www.qsl.net/cara/
Activities: CARA breakfast: 9:00 a.m. on the second Saturday of the month at Jilly's Restaurant in the Enchanted Forest Shopping Center on Rte. 40. Contact Bob/KC3EV by 6:00 p.m. the day before the breakfast.
Information: Bob/KC3EV, 410-465-2421

Triathlon

Howard County RACES mobilized 19 hams to help in the 16th annual Columbia Triathlon on May 23, 1999. This race has become a world class qualifying event attracting contestants from around the country, and this year 1,023 participants signed up for the race. A triathlon is an event with three parts. Competitors were released in heats starting at 0645 by swimming 1.5 kilometers in Centennial Park Lake. They then mounted their racing bicycles for a 41 kilometer ride which took them on a circuit of public roads through the western reaches of the county. Upon returning to the park, they complete a 10 kilometer race within the park and crossed the finish line near where they began. World competition times are just over two hours, but everyone races in age, gender, or special qualifications categories, so there are winners of each subgroup too.

RACES members were stationed throughout the course to report on safety and health concerns. Howard County Police coordinated traffic; Fire and Rescue responded to medical emergencies; and a host of volunteers from local running clubs, biking clubs, scouts, and schools helped direct runners along the course and provide watering stations along the way. It was a marvel of planning and coordination. Ed Wallace (K3EF), the RACES EC, headed the team again this year (his eighth), and we were pleased that amateur radio again performed so well at this event.

One CARA/RACES member who normally helps out didn't this year because he was a contestant. Dave Wilson (N3OYF) swam, biked, and ran this year instead of operating with RACES. Dave is a high school cross-country runner and turned in a first triathlon time of 2:58:49. CARA hams were happy to report Dave's position as he passed their monitoring stations so his dad, Jon (KF3BO) the deputy EC, could follow his progress. With Dave's successful completion of the triathlon, I guess you could say that the Howard County RACES knows this event inside and out.

The Ups and Downs of Repeaters

I am beginning to think that repeaters are subject to their own biorhythms. CARA's 147.139/R+ machine in Jonestown lost its power amplifier this month and has been putting out about 25 watts. This has been sufficient to handle our local traffic, but for those who use it regularly from father out, you may have experienced difficulties. Meanwhile, the 147.390/R+ machine has been removed from Harper House and is slated to go much higher up on the Timbers of Troy county

tower at I95 and MD 100. This great new location with its increased height should give us excellent coverage. Right now July looks like the earliest date to get this machine up and running. On the 70cm front, CARA has located their 449.475/R- at 1150 feet on WBFF's tower on Television Hill in Baltimore. Right now it's in the set up and testing stage putting out about 1.25 watts, but when the whole repeater is sealed in its waterproof box at 1150 feet we should have wide coverage indeed. So when the elevation is up, the power is down. And when the power is up, the rig's on the ground. Sounds like some sort of rhythm to me.

Enjoy your Field Day!
de Tim/W1TRT

Dulles Amateur Radio Group

On-the-air meeting: Tuesdays at 9:00pm on the Dulles repeater
Repeater: N4FSC, 145.310- (near Dulles airport)
Mail: Dulles Amateur Radio Group, P.O. Box 5073, Herndon, VA 20172-1964
Home Page: www.darg.org.
Email: darg@darg.org.
Club callsign: W4DLS
Information: Mike Weber, WB8RDN, 703-450-2304.

Well another Field Day has come and gone I'm sure all who came out to the field enjoyed themselves.

Just a reminder that our Tuesday night net is now at 21:00 local time on the Herndon repeater(145.310-) and we hope net participation has picked up.

Loudoun County Fire and Rescue staged a Mass Casualty drill involving a school bus and dump truck. Members of local Boy and Girl Scout troops where used as victims. An inquiry was made about ARES involvement from DARG but it seemed the county didn't need our services. DARG members are at the ready to support ARES activities when needed.

Exam Session: DARG has schedule July 10 and October 30 as our next 2 exam sessions. The time for both dates will be from 08:45-12:00. Please Note: We will be conducting these exams at St. Matthews Church on East Frederick Drive in Sterling. Go south on Sterling Boulevard from Route 7 and make a left onto East Frederick Drive. ST. Matthews is the one block on the right. Talk in will be on the 145.310-. Contact Mike/ WB8RDN at 703-450-2304 or check out our web page(www.darg.org) further info.

till next month, 73, de Kevin/W4KLS

Fauquier Amateur Radio Association

Club Call Sign: W4FAU
Meeting: 2nd Thursday, 7:30 pm at the Crestar Bank in the Warrenton Shopping Center (across from Safeway and Radio Shack) No meetings during July, August and December.
Repeater: NZ4N, 147.165(+)
Net: Every Wednesday night at 2100 hrs, local.
Packet: KE4YVU FARA7 node 145.070 Mhz w/direct connect to FBBS9, FBBS9 Bulletin Board 145.090, FARA9 node 145.090 Mhz.
Mailing Address: Post Office Box 752, Warrenton, VA 20187
Web: http://www.mnsinc.com/ki4ro/fara.htm
Breakfast: Last Saturday of the Month at the Town and Country Restaurant off of Route 29 in New Baltimore, VA. Time: 8:00 am.
Newsletter: TOROID, monthly ñ deadline for submissions is the 20th of the month. Editor can be reached at n4qpb@mnsinc.com
Next Meeting: September 9th

Hello, from Fauquier Amateur Radio Association. The months of May and June were relatively busy months for us here in Fauquier, Virginia. Following is a brief synopsis of what happened during these two months:

FARA held a FCC examination session at 9:00 am Saturday morning, May the 8th. The session was originally scheduled to be held on May the 6th, but due to the large number of people expected to attend the session the time and date was changed to Saturday Morning on May 8th. The following were the attendees who passed their exams and have received their new licenses:

Elmer Robertson, KG4CYN
Erik Lindamood, KG4DGF
Brenda Gail Hearrell, KG4DGH
Charity Martin, KG4DGI
Carol Martin, KG4DGJ
Michael Christensen, KG4DGK
Jesse Christensen, KG4DGL
John Guyant, KG4CGM

Also during the month of May, FARA was involved in providing communications for the Commonwealth Dressage Event held at Great Meadow during Memorial Day weekend. During the two-day there were 100+ Olympic candidate horses and riders who participated in field events, Steeplechase, and various other trials. The winners of the different events held during the Commonwealth Dressage will go on to participate further for qualification to be in the Olympics.

And, last, but certainly not the least, FARA Field Day was held at Great Meadow (yes the same place where the Commonwealth Dressage Event is held). With the fantastic organizational skills of Field Day Committee Chairmen, Marty Maziarz, KE4VA and Dan Velez, W4DJV, the annual event went smoothly. The preparations and arrangements were made well in advance of the date and there was a final last minute brainstorming session at the June 13th meeting. More about this FD in the August issue!

With the upcoming Summer months, and the resultant hot weather, we wish all of you a SAFE and happy summer. Be careful out there in the high heat and humidity!!

Historical Electronics Museum Amateur Radio Club

Meetings: Second Thursday of each month, 5:30 PM,In the Historical Electronics Museum, West Nursery Road and Elkridge Landing Roads. Linthicum, Maryland (Next to BWI Marriott Hotel).
Info: Nick Yokanovich, K3NY 410-544-5736
Club Station: W3GR.
Mail: P.O. Box 746, Mail Stop 4015, Baltimore , MD 21203.
Web Page: http://members.aol.com/wk3p/se.htm
Street address: 1745 W. Nursery Rd., Linthicum, MD 21090.

On May 22nd the Historical Electronics Museum celebrated the 155th anniversary of the first telegraph message. This was reenacted between the Historical Electronics Museum and The National Cryptographic Museum. The activities included Amateur Television between the two sites thanks to the Chesapeake Amateur Television Society and the Baltimore Radio Amateur Television Society. Gene Knapp, W3BAB set up the remote site and integrated them with the museum site which was operated by Heru Wamsley, W3WWV. Gene is credited with a fine job of systems engineering! This enabled people at the museum to see and hear the action at the NCM site which received the "What hath God Wrought" message.

One of key objectives of the anniversary reenactment was to demonstrate the wonderful communications capabilities that have evolved from the first telegraph. This was done by the inclusion of: old Morse telegraphy, ATV, phone

line CW, W3GR worldwide radio contacts and a teletype exhibit. Additional support of this theme was provided by the museums military communications equipment exhibits and the exceptional communications centered exhibits at the National Cryptographic Museum.

At the Historical Electronics Museum gathered around the telegraph key. Left to Right : Walt Mathers, Morse Telegraph Club leader; Roy Heck, W3KU. At the Key, Rol Anders K3RA, Richard Decking, Morse Telegraph Club; Valerie Smith, Museum educator- acting the part of Annie Ellworth, who suggested the message What hath God wrought?"

Many visitors also had messages sent from one site to the other by old Morse thanks to the skill in the arcane art by the members of the Morse Telegraph Club and Roy Heck, W3KU and Rol Anders, K3RA. The museum also provided a hands-on area where young folks (and old) could operate telegraph keys and other live physics of electricity experiments.

W3GR operated a Special Event Station on both May 22nd and 23rd to commemorate the event. QSO s were made with 224 stations in 32 sates and 20 countries. Those sending in a QSL receive an 8 by 11 certificate which looks neat in any ham shack. The special event station operators were: Gary Ryan, W3GMY; Ulis Fleming, K3LU; Alan Raichel, N3IKI; Chuck Angel, AA3FB; Tim Titus.W1TRT; Mike Conlon, KB3CPV; Sam Dunkle,KB3CYL; Nick Yokanovich, K3NY; Rol Anders,K3RA; Ernie Farkas, K3CBW; Sammy Bryant, KB3CYU; Roy Heck, W3KU; Gene Knapp, W3BAB and Chip Weems,W4PBG.

Rol Anders, K3RA shows how the telegraph key works to young visitors and their father at the 155th anniversary of the telegraph. Celebrated at the Historical Electronics Museum. Photos by Gary Ryan, W3GMY.

Novice/Technical Training Class

First call for a new free training class for anyone desiring a Novice or Technician license. The classes will be held each Tuesday for 10/12 weeks at the museum beginning September 28, 1999 from 6:30PM to 9:30PM. Code and theory, 25 Max in class. Information and Registration: Rol Anders, K3RA, 410-796-4792.

73 Chip W4PBG

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The Maryland Apple Dumpling Radio Amateur Society, Inc.

Meetings: 2nd and 4th Thursdays - 7:00 P.M. St. Paul's Church, 10401 Armory Avenue, Kensington, Maryland 20895.
Clubhouse:MADRAS Clubhouse,11800 Coakley Circle, Rockville, MD 20852
Nets: 1st and 3rd Thursdays at 9:00 P.M. on 145.45 MHz (PL-5A).
Repeaters: 444.100/449.100 MHz (PL-2A), 145.45/144.85 MHz (PL-5A).
WWW Address: http://www.3phase. com/madras/
Mailing: P. O. Box 2468, Wheaton, MD 20902
Information: Leo Boberschmidt W3LEO (301)946-3738, Jean Blacik N3PLC (301) 984-6114.
Club Call Sign: W3MAD
E-Mail: leob@erols.com

Our May 13th meeting was devoted totally to Field Day '99 preparations. As all of you know, there are so many tasks and assignments to delegate for this event, we never seem to completely be ready.

Chef Theo's was the choice of restaurants for our dinner meeting on the 27th of May. Attendance was great and so was the food. The topic of conversation was, of course, Field Day'99.

The date has been set for our annual picnic and barbecue. This will be held, once again, at Michele's (WK3X) home. Bring a hearty appetite with you because we will have all sorts of goodies. Our menu usually consists of hot dogs, hamburgers, assorted salads, appetizers, relishes, chips, vegetable platters, cakes, pies, fruit platters, nuts and candy. Of course you can quench your thirst with iced tea, lemonade and an assortment of soft drinks. See you Sunday, July 18, 1999. Watch for the July Bulletin for directions and time.

Our annual End of Summer Dinner will be held in August again this year. We do not have any of the details available (date, time and restaurant) at this time but will announce the choice in our August Bulletin.

Wishing all of our members a safe and HAPPY FOURTH OF JULY.

73, Jean-N3PLC

Metropolitan Communications Network Radio Club, Inc.

Meetings: Quarterly, Second Sunday of the month at 13:30 p.m. Place TBA
Repeater: 52.250 IN/53.350 Out.
Net: AM Coffee net Sunday 9:00 AM on 50.400
Information: 6608 N. 18th St. Arlington, VA 22205

The second quarter meeting was held at the QTH of Chris Kushay KA3LJR. The club accepted three new members in the last quarter, Robert Lee K3RE, John Ward W30J and George Diering N3FNF. MCNRA welcomes the new members, we hope they will affiliate and lend any assistance to the fulfillment of our club goals. The club will adapt the same slate of officers for the coming year:

President - W. Joe Saunders K3UAL
Vice President - Chris Kushay KA3LJR
Secretary - Mary A. Milligan KAlKWP
Treasurer - Bron Kidwell - N3AGB

All licensed amateur radio operators are invited to join us every Sunday morning at 0900 50.400 AM. You are also invited to join our 6 meter club, Metropolitan Communications Network Radio Club Inc. For information call Mary Milligan

KAlKWP Secretary 703-533-0650 or Joe Saunders President 301 773-5074.

73's Joe K3UAL

The Mid-Atlantic DX and Repeater Association

Meetings: Rotating locations among Hagerstown MD, Frederick MD, Martinsburg WV and Gaithersburg MD.
Net: Thursday evenings at 1930 local on 147.06.
4 State10M net: Wednesdays at 2000 local on 28.315.
Repeaters: Frederick MD: 147.06, 224.20, 448.125; Martinsburg WV: 147.345.
Mailing: 230 North Potomac St., Suite 2A, Hagerstown MD 21740
Information: Voice BBS (301) 416-8447 and (301) 473-4151.
Web Page: http://www.qsl.net/madra
E-Mail: madra@qsl.net

Is it possible to write a Ham news column for the Washington area while vacationing in Upstate New York? But of course. The General Clinton Canoe Regatta floats over 200 canoes on the upper Susquehanna over a 70+ mile course from Cooperstown down river to Bainbridge and a lot of Hams have been involved over the years.

Every year about 50 Hams spend Memorial Day weekend tracking canoes in the short races on Saturday and Sunday. On Monday they set up a network of checkpoints along the river and input boat tracking info to headquarters at Bainbridge. This commemorates the Revolutionary feat of General Clinton who dammed up the Susquehanna at Cooperstown, blew the dam, and rode the flood to Bainbridge. Linking with General Sullivan's forces, they won against a combined force of British, Tories, Canadians, and Iroquois near Elmira and may have cut a year from the length of the Revolution.

Starting over 20 years ago with 10M phone, the Hams relayed traffic to Bainbridge where race status was manually posted on a blackboard. Then came 2M phone using area repeaters. In 1996 they started using packet stations in real-time links to a computer cluster at Bainbridge. This gave race officials constant info on each canoe and enabled on-line inquiries at each checkpoint, too, an important feature for the 'pit crews' chasing their boats with fresh fruit and GatorAde on the roads parallel to the river.

So...what would be the technological innovation being tried in this year's race? Would it be barcodes on the boats, read from the bank? Maybe ATV combined with packet to show action at checkpoints? Maybe...well, actually, would you believe that the Hams got a note from the Race Committee this year advising that their services were no longer needed? How will they answer questions at checkpoints? How will they update Race HQ? Were we replaced by CelFones? Right now it's a mystery but maybe it can be cleared up in a later column.

As for other things that are happening, let's see...Well, there's emergency preparedness in Frederick County. MADRA members put together a station for use in the FredCo EOC enabling participation in the state RACES net in May. This was for the first time in some two years. We are working with Eric Gammeter, N8AAY, the FredCo EC of the ARRL team, to set up a dual organization that will overcome the RACES/ARES dichotomy that exists in many jurisdictions.

MADRA continues to sponsor VE testing. You may have seen our team at the FARC Fathers' Day HamFest in June. As usual, the same team will be onsite for SwetFest99 in Brunswick on 10 July. As this is written we are still pushing hard to get hobby and computer participation in our 'Fest at Brunswick so be sure to come for the 'Fest with a difference.

All kinds of equipment is still being assembled for new/expanded repeater capabilities. Antennas for 6M, 10M and other bands are recent acquisitions. Don't forget to check our WebSite for updated info on our club and what we're doing. Also look there for the latest on dinner and breakfast meetings. All are welcome.

73 DE N2CSQ/3

Mount Vernon Amateur Radio Club

Meetings: Second Thursday of each month, 7:30 p.m. (except December) Mt. Vernon Governmental Center, 2511 Parker's Lane, Alexandria, VA 22308.
Nets: Every Tuesday at 8:30 p.m. Starts on 2 meters then moves to 10 meters on 28.405 MHz.
Repeater: WD4PDP 146.055 input / 146.655 output.
Mailing: Mt. Vernon Amateur Radio Club(MVARC) c/o Joe Salemi KR4CZ, P.O.Box 7234,Alexandria, VA 22307.
Information: Chuck W3HSW, 703-660-6623.
WEB Site: http://www.netcom.com/~jsalemi/mvarc.html

It has been a while since we have had anything in Auto Call due to illness and other circumstances beyond our control.

Welcome back Chuck, W3HSW, after a long stay in the hospital. It is great to see his smiling face, and hear his voice over the airwaves again.

Thanks to everyone who helped out with the GW PARKWAY CLASSIC RUN, THE G. W. SPECIAL EVENT, and the ST. PATRICK DAY PARADE. A great job was done by all. The FOURTH of JULY is upon us, and we are looking for operators to help out with communications at LEE DISTRICT PARK. It is a lot of fun, & the fireworks are great, not to mention how much it is appreciated by the folks at the park. Please contact STEVE- K3IZ for information.

Congrats. to MARY MORRIS-N4TCI our new club president, & thanks to STAN KD4YEP for the fine job he this past year as president.

FRANK-AA4ZS, & BOB-KT4KS had a very good QRP FIELD DAY at LEE DISTRICT PARK, making a lot of contacts at 3 watts. That's it for now, and I look forward to seeing you all next month

de Dave, N4YPR

National Capital ARES Council

NCAC Net: Sunday at 9 PM on 146.655(-)
Voice mail: (703) 359-3414.
E-mail: NCAC@usa.net.

Thank You!

By the time you read this, two large events will have passed—the MMT 100 Mile Run and the 150k Bike Tour. Thanks to Guy W3INT & Bo N4VEC and all those who volunteered for making amateur radio support happen.
News!

We've been notified that the Emergency Management Committee of the Metropolitan Council of Governments (COG) have made the decision to activate ARES/RACES for two events. One will be an exercise on September 1st simulating possible effects of the Y2K computer problem on local jurisdictions and the second will be New Year's Eve (just in case).

The exercise is on a Wednesday (shades of Rock-n-Roll last year!) so if you have that day off, are retired & available, etc. please keep us in

mind—we'll need the help. Theoretically, the support given on New Year's Eve will be similar to that given during the exercise.

Jurisdictions included in COG are DC, Prince George's & Montgomery Co's in Md., Cities of Alexandria & Falls Church, Arlington, Fairfax, Loudoun, Prince William Counties in Va.

Training/Outreach

It is important that we train both our own volunteers and those agencies we serve. Agencies need to know what our capabilities are and that we are reliable. We all need to know and be comfortable with each other BEFORE there is a crisis.

Last month, NCAC offered a region-wide learning experience for Public Safety, Emergency Management and Red Cross among others to get to learn how we can help them. Md. DC & Virginia were represented.

This month VA ARES offered a day of training—not unlike our own ARES Institute—with representatives from FEMA, Virginia Department of Emergency Services, Red Cross and our own state organization on digital & simplex operations. This was the fourth such offering around the state over eighteen months.

This type of training needs to be made available on a regular basis. NCAC has made a commitment to do two Institutes a year. That's only about 100 first-time hams a year—we also have a lot of repeat attendees. If you would like to do training in your jurisdiction and would like to talk to us about how to get started—we'll even share our materials if you like—call us or send an e-mail.

Public Service Calendar

Only two public service events on the calendar for July: July 4th: Community Independence Day Celebrations—food & drink provided. Laurel, Md: Communications support provided by Laurel Amateur Radio Club, call Mark at (301)572-2385; Lee District Park, Fairfax Co, Va: Communications support provided by Mt. Vernon Amateur Radio Club, contact Steve K3IZ at (703)780-7248.

To contact NCAC: Call (703)359-3414 or E-mail NCAC@usa.net.

Potomac Valley Radio Club

Packet: K3MQH 145.63, K4FJ 145.77, KE3Q 145.57 445.375, N3RR 145.51 441.325, N4OHE 145.71 440.925, N4SR 145.63, W3LPL 145.59 441.25, WR3L 145.61 440.95.
Web: www.pvrc.org & www.pagesz.net/~pvrcnc
Repeater: 147.000(-) Thanks to Ashton RCS
Information: Bob Dannals, W2GG@amsat.org, 410-472-2004 before 9pm and Rich Boyd, KE3Q@erols.com, 301-464-8014.

This column will provide the casual operator with sufficient information to participate in selected HF and VHF contests scheduled during July. Times are given in EDT though logs should be in UTC (Zulu) time. You do not have to be a member of any club or send in a score to enjoy operating in contests and help others to earn points. For information about contests or PVRC membership, please contact the above or the editor below. PVRC is a non-dues club.

RAC Canada Day Contest. June 30th 8pm - July 1st 8pm. CW (check on half-hour) 25 kHz up from band edge. SSB: 1850, 3775, 7075, 7225, 14175, 21250, 28500 kHz. Also, 6 and 2 meters. They mostly send RS(T) and province or serial. We send RS(T) and serial number. Special points for working VE0 or stations with a suffix of RAC. IARU HF Championships. 10th 8am - 11th 8am, 160 through 10meters except WARC bands. SSB and CW. IARU HQ stations send RS(T) and

society abbreviation. Others send RS(T) and ITU zone number. We are in zone 08.

CQ Worldwide VHF Contest. 10th 2pm - 11th 5pm, all modes and bands 50 MHz and above. Exchange your grid square. Most serious VHF/UHF contesters use SSB and CW but the hungry ops watch for simplex FM contacts and are glad to explain the contest and exchange. The best FM channels to check are 52.525, 146.55, 146.58, 223.50, and 446.0 MHz. Also, check 52.54, 146.48, 147.42, and 446.10 MHz. Only the Field Day rules allow use of 146.52 MHz for contest contacts.

RSGB Island-On-The-Air Contest. 24th 8am - 25th 8am, 80 - 10 meters phone and CW. Send RS(T), serial number, and IOTA number if you are on an island. Extra points for working island stations.

73, Dick Wilder, K3DI, editor, 410-757-6706, wilder@clark.net, or via the above packet network.

Quarter Century Wireless Assn. Chapter #20

The 38th Annual Banquet of Chapter 20 was held at Synder's Willow Grove Restaurant on April 24, 1999. We had 31 people in attendance.

Railway historian George Morgan, W3MWY, gave an interesting talk on the Pennsylvania Railroad electrification. He had a number of slides of the GG-1 locomotive and other types of electric locomotives.

An election of officers was held and the new slate of officers is:

Robert Bennett, W3WCQ, President
Lee Dorsey, N3BHC, Vice President
Russ Smith, K3APM, Secretary-Treasurer

The highlight of the meeting was the presentation of the 75 year Service Award to Lee Dorsey, N3BHC. Lee was first licensed in 1924 with the call, 3CIT. In 1930 Lee started a company called Soundscape which sells high fidelity audio equipment. The company is still in business and doing very well. It is now run by three of his sons.

John Swafford, W4HU, from the Northern Virginia Chapter attended the meeting. John comes to a number of our meetings and we are always honored to have him.

Chapter 20 still meets every Monday Evening at 9 PM local time on 147.285 Mhz +600 Khz. Although the repeater is off at the moment, we carry on using Simplex.

It was a pleasure being Secretary-Treasurer for Chapter 20. Thank you for all the support.

73, CAM

Quarter Century Wireless Assn. Chapter #91

Meetings: Neighbor's Restaurant, Cedar Lane and Park Street, Vienna, VA; third Saturdays; Noon. Business/Program Meetings: Odd-numbered months. (Come at 11:30 to chat; program begins at noon.) Informal/Ragchew Meetings: Even-numbered months.
Newsletter: Bi-monthly to all members.
Information: Dick Rucker (KM4ML), Secretary; 10426 Darby St., Fairfax, VA 22030-3603; 703-591-3279. Also on the VHF net.
VHF FM Net: Sunday 9 AM, 146.79MHz.

May Meeting

Thirty-two people (25 members, five spouses, and two other guests) attended the 22 May meeting of Vic Clark Chapter 91 of QCWA at Neighbor's Restaurant in Vienna. President Terry Hines (N4ZH) presided.

Awards

This meeting was our annual Awards Meeting, at which we honor our members who have achieved distinction. Distinction can be achieved via many paths, however, as one of the awardees, Frank Brooks, W4UMC, said, "All I've done is simply manage to dodge cars long enough." We think there's a little more to it than just that, Frank.

Past National President, Jack Kelleher, W4ZC, and Terry, N4ZH, presented the award certificates. Here is a list of the honors for this year: the Certificates indicate the number of years the person has been an Amateur radio operator; the Century Club awards indicate the sum of (a) the number of years the member has been a QCWA member, and (b) the member's age.

70-Year Certificate	Bob Arrowsmith, K4JN
65-Year Certificate	Jack Bobbitt, W4HV
	Bob Cannon, W4IGO
	Elmer Jones, K4EUX
60-Year Certificate	Bill Miller, K4MM
55-Year Certificate	Dale Harris, W4DM
50-Year Certificate	Walt Quitter, NC4B
	Dick Rucker, KM4ML
	Ben Shaver, AA4XU
Century Club	Frank Brooks, W4UMC (104 years)
	Montie Cone, WA4PBG (102 years)
	Bob Arrowsmith, K4JN (101 years)
	Milt Snyder, W4AWL (100 years)

Congratulations, fellows! We really are proud to be associated with you; thanks for the contributions you've made that have been the "shoulders for us to stand on."

Think about that Century Club for a moment: suppose Harriet Ham gets her license at age five; then she joins QCWA as soon as she can, at age 30. When she's 31, she'll have 'accrued' 31+1=32 years toward the award; each year thereafter, she will accrue two more years. So she'll be 66 when she earns the Century Club award. Now, let me ask you, how old were you when you were first licensed? And did you join QCWA as soon as you were eligible? Frank and the others sure must have dodged a lot of cars!

Reports

Secretary Jack, W4ZC, announced that we have added seven new members since the beginning of the year. Welcome to you all! QCWA has about 9000 members nationally.

President Terry, N4ZH, reported that Dayton was its usual huge success. The FCC's Riley Hollingsworth, W4ZDH, got a standing ovation for the way he is dealing with enforcement issues. Terry also enjoyed the technical presentations dealing with antenna topics, particularly the tri-band beam comparisons.

DXpedition

Terry presented the preliminary report about our Dxpedition, currently planned for 17-21 September. We are looking at either the Bahamas, or the Turks and Caicos. So far, three members have declared that they will go.

Field Day

Terry led a discussion about our Field Day operations. We will be at Van Dyke Park in Fairfax City and will have at least five stations set up, all battery operated. Except for Dick's digital station, all will operate CW. Terry, N4ZH - 15 m; Jay Jackson, W4VG - all bands; Dick Rucker, KM4ML - 40 m and down PSK-31; Al Wheeler, WB4JJJ - 20 m and 40 m QRP; Jake Carter, N4UY - 10 m. There will be other friends of QCWA who will assist with the effort.

We can use about six more people to be relief operators, and loggers are always very welcome. Call one of the officers if you want to take part in this. Weíd be most pleased if you would stop by and visit the FD effort. We'll be at Van Dyke from dawn until dusk. Come out and play with us a

little bit . . . or a lot. Call any chapter officer for info.

Jay, W4VG, gave an excellent demonstration of the WR9R FD logging software. Iíve always kept a paper log before and was most impressed with the excellent design of the program. It even keys the transmitter for you (yes, I know - you are wondering what took me so long to get to the twentieth century). Several of the ops are considering using it (but I'll probably bring my #2 pencil - it weighs less than a laptop and is certified Y2K compliant).

Most of those who will be at FD decided to get the ARRL's FD pin. Thanks to Dick, KM4ML, for handling the ordering details.

ar 73 es gl de Jim W3WV

Shenandoah Valley Amateur Radio Club

Meetings: First and Third Friday of every month at 7:30 p.m. SVARC Club House 2921 Grace Street, Winchester, Virginia.
Repeater: 146.22 In/ 146.82 Out.
Net: Shenandoah Valley Emergency Net (SVEN) 7:15 daily on 146.22/146.82 Repeater.
Mailing: P.O. Box 139 Winchester, 22604.
President: Wayne Koehler, KE4PMS
Info: Wayne Koehler, 540-667-8629.
Internet home page: http://www.vvalley.com/svarc.

Two club work days in May produced better results than the two that were rained out in April. We completed the club house tower maintenance on May 14 and also got the dual-bander vertical for 2M and 70CM installed. Those working on that project over the four attempts to complete it were Mike Collins/W4ACC, John Kanode/N4MM, Guy Avey/W3INT, Ken Kelly/KF4QLC, Wayne Koehler/KE4PMS and Dave Adsit/KG4BIR.

Public Service Event Support:

The fifth Massanutten Mountain Trail 100 Mile Run was held on May 8-9. The SVARC has provided radio communications support for all 5 of the MMT 100 Mile events. The MMT 100 Mile Run is sponsored by the Virginia Happy Trails Running Club. The event begins at the Skyline Ranch Resort near Front Royal, VA and heads south to Bird Knob which is about 3 miles south of New Market, VA. Bird Knob is 49.5 miles from the starting point. Approximately 82 of the 100.5 miles of the course is mountain trails and the balance is all dirt road with a little secondary asphalt. The annual MMT 100 begins at 5AM on Saturday and ends at 5PM on Sunday evening.

This year, 11 SVARC members plus 2 from Prince William County spent most of that weekend in the mountains with the 102 runners providing radio communications support between the 16 aid stations and with the race director. The ham role is that of a safety net. The run is much like a military exercise. Runners are involved in a very dangerous undertaking and could encounter life threatening experiences. The race directors goal is to have all runners accounted for at all times and our role is to help achieve this through radio communications.

I wish to acknowledge those who came out and worked the long hours in support of this event. The 2 volunteers from Prince William County were Erv Whalen/KT4DS the ARES EC for Prince William County and his wife Cathy/AE4UM. The SVARC volunteers were Irv Barb/W4DHU the ARES EC for Clarke County and his wife Jane/KD4IET, Wayne Koehler/KE4PMS the ARES EC for Frederick County and Winchester, VA., Rick Choy/N3HXT, Gary Lyons/KE4FFH, Jim Hodson/KE4JJR, John Roberts/WA4JR the ARES EC for Warren County, Christine Kestner/KE4VED, Tom Sullivan/KD4WSM, Christov Ashton/KF4ZPX and Guy Avey/W3INT.

The SVARC is sponsoring two VE sessions in the near future. They are on Wednesday, July 14 at

the club house, 2921 Grace Street, Winchester, VA., and on Sunday, August 1st at the 49th ANNUAL WINCHESTER HAMFEST held at the Clarke County Ruritan Fairgrounds in BERRYVILLE, VA.

For BERRYVILLE HAMFEST reservation forms....please contact Jane Barb 540-955-1745 e-mail: ibarb@visuallink.com

For VE Session info contact: Fred Wetzel/ W4KRT 540-678-0394 e-mail: hwetzel@ adelphia.net or Greg Lanham/KU4AN 540-722-4792 e-mail: kuan@visuallink.com

73, Guy - W3INT
guy@visuallink.com

Sterling Park Amateur Radio Club

Meetings: 8:00 P.M. - Third Monday of the month except July and August at Sterling Community Center Annex, Church Rd. (Rt. 625) near Route 28, Sterling, VA.
Mailing: Call Box 599, Sterling, VA 20167.
Information: Bill Lorentz, KS4II, 703-444-6341 or via email KS4II@AOL.com.
Home Page: www.qsl.net/sterling
Club Callsign: K4NVA

Seventeen members attended the May SPARC meeting at the Sterling Community Center annex.

Our 1999 Field Day effort and the last meeting before the summer break are over as this column goes to press. Details of our Field Day efforts should be available in next months column.

Dick Maylott, W2YE spoke to the club on contesting and logging software. He indicated that the biggest difference between the two is that contesting software calculates your contest score. Most of the programs available are using Amateur Data Interchange Format for their data files so that if you switch to a different program your existing data base is easily transferred to the new program. Dick used the "CT" and "DX4WIN" programs to illustrate the features that are typically included in the many different contesting and logging software packages on the market today. Almost all of the programs on the market have trial versions available, so shop around and try out as many trial versions as possible before purchasing that new piece of software.

I hope everyone has a safe and happy Fourth of July.

73, Bill, KS4II

The Middle Atlantic FM and Repeater Council, Inc.

Meetings: Coordinating Committee (CC) meets the last Monday of each month, 19:30, in the conference room of the Prince George's County Emergency Operations Center.
Address: P.O. Box 1022, Savage, Md. 20763-1022 for all correspondence.
Internet:www.T-MARC.org.
E–mail: TMARC@T–MARC.org
Officers: President – Larry DiAnna WA3KOK (410) 792-3494, ldanna@ teamvideo.com. CC Chairman – Bill Conaway W8HNT (703) 425-3702, conaways@ erols.com. Ombudsman – Jim Erickson K3LFO (410) 549-1041 k3lfo@erols.com. Public Info. Officer – Dave Prestel W8AJR (410) 203-9432 dprestel @sprintmail.com.

What is Coordination?

Repeater coordination seems to stir up emotions whenever the topic comes up. Every coordinator with whom I've spoken has shared tales of confrontational meetings, repeater wars, and similar unpleasant experiences. It's generally

been my experience that much of this arises from misconceptions about the coordination process on the part of repeater users, owners, and would-be owners. Therefore, I thought I would dedicate a couple of columns to exploring the process. This month I'll define what coordination is (and is not). In later columns, I'll address the who's, how's, and why's.

Put simply, coordination is the process of arranging for a large number of fixed frequency stations (repeaters) can share a band of frequencies, while minimizing same-channel and adjacent-channel interference.

Repeaters, unlike their users, are not frequency agile. Even though the RF equipment may be synthesized, the duplexers and tuned bandpass cavities necessary to repeater operation are inherently fixed frequency devices. Hence, repeater frequencies must be chosen carefully, because they are not easily changed.

Interference occurs when the users of one repeater affect the input of another repeater. The two repeaters may be on the same channel and close enough together physically for some users to hit both inputs. Or, they may be on adjacent channels, with users who are off frequency or who have excessive deviation putting signal into both receivers. The goal of the frequency coordination process is to prevent these kinds of interference.

The fact that a repeater user can hear the output of a distant repeater on the same channel when their local repeater is not transmitting is NOT interference. There are no 'clear channels' in the amateur radio service.

Defined another way, coordination is the process of (voluntarily and often thanklessly) maintaining data bases of information on known repeaters, including their location, antenna height, and effective radiated power, and of interpreting the data base to find available frequencies for new repeaters.

Coordination is a simple concept: find a way for fixed frequency repeaters to operate without interference. As hams, we pride ourselves on our self-policing and polite operating manners. Coordination is just another example of polite operation. As always, comments are welcome.

de W8AJR (dprestel@sprintmail.com)

Vienna Wireless Society

Meetings: 7:30 pm the second and fourth Fridays of the month in the cafeteria of the Vienna Elementary School, 128 Center Street South, Vienna, VA 22180.
Nets: Pow-Wow nightly at 9 pm on 28.444 MHz. Slow speed code, nightly 8:30 pm on 28.390 MHz. Vienna Emergency Net, Wednesday 7:30 pm 146.685(-).
Repeaters: K4HTA 146.685(-), 448.375(-).
Information: Steven Karty, N5SK, president, (703) 938-5454; Programs: Mike Steussy, AE4R, (703) 281-0010.
Mailing: P.O. Box 418, Vienna, VA 22183

Vienna Wireless Society Meeting Locations Are Changing

Date: 11 June 1999
Location: Cafeteria of the Vienna Elementary School, 128 Center Street South, Vienna, VA.
Program: Dick Maylott, W2YE, on the WA4 ARRL QSL Bureau operation.

Date: The 25 June 1999
Location: Basement of the Vienna Presbyterian Church, 124 Park Street, N.E., in Vienna, VA.
Program: Last-minute Field Day details and pizza party with "Show-&-Tell" (members bring-in and talk about anything they think is interesting, including old "boat-anchor" equipment, QSL cards, projects, guests, stories, etc.).

Date: 9 July 1999
Location: Vienna Community Center, 120 Cherry Street, S.E. (at Park Street), in Vienna, VA. Meetings for the rest of the summer will continue being held at the Vienna Community Center.
Program: Tentatively scheduled for this meeting is a Dayton photo-spectacular from the 1999 Hamvention.

Previous VWS Meetings

The program at the 14 May 1999 VWS Meeting was the "Bernie Show." Bernie Stuecker, K4XY, discussed the present repeater hardware, locations, and characteristics. Bernie Wimmers, N4JDF, outlined the features and capabilities of the repeaters and their controllers. Barney Novean, WA4HIM, added a point of history and told how the club obtained the site and tower for our 2M repeater.

Greg Coggans, KD4CC, reported that the recent Amateur Radio demonstration at a Cub Scout Pack was very successful; the only disappointment was that not all of the 100 Cub Scouts present had a chance to talk on the radio.

The program at the 28 May 1999 VWS Meeting was provided by Denis Catalano, W4DC. Denis showed us a videotape on the VP2MFM DXpedition to the British island of Montserrat in 1995. Denis and his fellow Woodbridge Wireless hams chose the island because there had not been much activity there since it was devastated by Hurricane Hugo. He described the preparations for this event, and his experiences in it. The volcano which formed the island became active after the DXpedition, and most of the inhabitants were permanently evacuated. Only about 300 people still live there today. Denis will return to a VWS meeting in July to discuss his latest DXpedition to the Colombian island of San Andreas.

Pete Sypher, KC4SI, invoked memories of the "Wetterfest" with photos of "money laundering:" That is, using a clothes dryer to dry out the rain-soaked dollars collected at the entrance to our Winterfest hamfest last February.

Pete is still looking for volunteers for the SunRayce (for solar powered cars on their way from the Mall in Washington, D.C. to Orlando FL) on June 20. Operators are needed on the Mall to announce the departures, and relay stations along U.S. 29 out to the check point at Culpepper are also needed.

73, Steven - N5SK
N5SK@ARRL.NET

Woodbridge Wireless, Inc.

Meetings: Second Tuesday of each month at Springwoods and Chaucer, Lake Ridge, VA.
Net: Monday nights at 2000 on 147.24 with 224.78 link.
Packet: N4SR 145.63 (DX packet cluster)
Luncheon: Every Friday at noon. Check-in on 147.24 for location.
Repeaters: WB4FQR 147.24 (+), WB4FQR 224.78 (-), WB4FQR 444.90 (+), N4LJZ 147.585 simplex PL-100 HZ
Mailing: PO Box 112,Woodbridge, VA 22194
Information: Bob Graham, K4RG, 703/878-0697
Web Page: http://www.pwcweb.com/wwi/

Dayton Report: The weather was perfect, and the Woodbridge Wireless was well represented at Dayton. In attendance were K5OF, KT4AD, W4DC, W3GO, KE4TKU, WA0DYJ, K8EI, AA3KX, K8MLM, KE3TT, KC4YXB, and KF4WZA.

Check out the group photo on the WWI home page. Those of us wearing HK0F DXpedition shirts or badges were stopped by dozens of well wishes, thanking the group for the fine effort from San Andres. On the buying front, the club was lucky to find a 10 meter 6 element KLM beam

that we picked up for just $90. It will be used for 10 meter CW since this is the first year we will break out this band as a separate station at Field Day. For those who attended, the Friday night DX dinner was excellent, with AA3KX winning one of the door prizes.

We also had our 2nd annual WWI Dayton dinner Saturday night at an excellent Italian restaurant - Dominic's- lots of good food. Having John KC4YXB driving out Bubba (38 ft RV) added to the enjoyment. Many WWI and Field Day plans were discussed going to and from Dayton.

The club is planning on implementing a Volunteerism recognition program. With over 1,000 hours provided in public service each year by WWI members, it was time to recognize the participants with badges, pins, shirts, cups, and other awards. Over 300 hours were volunteered for providing communications on the river for Crew races this season alone.

The "Repeater Relocation Committee" (RRC) is hard at work planning the relocation of the repeaters from the Tackets Mill site.

Three NEW HAMS in WWI. The following passed their Technician test with flying colors, and have already participated in Woodbridge Wireless public service events. Welcome to Adam KG4DFJ, Mike KF4DFI, and Marv KF4DFL.

WWI HALL OF PRESIDENTS Below is a listing of all the presidents of WWI over the years:

YEAR	CALL	NAME
1971-72	WB4RDV	Sherm Winings (SK)
1972-73	W8VDA	Loyd Davis (now K8EI)
1973-74	W4ADM	Joe Robichaud (SK)
1974-75	K4ZGE	Les Turner
1975-76	K4ZGE	Les Turner
1976-77	K4HWG	Jack O'Mara (W4AD)
1977-78	WA4OMG	Denny Beall
1978-79	WA0WTP	Larry Bates (now K0LB)
1979-80	K4HWG	Jack O'Mara (W4AD)
1980-81	WA4SDE	Danny Shrader
1981-82	KB4YB	Jim Neff (now WJ4M)
1982-83	KA4CKI	Jim Tury
1983-84	WA4SDE	Danny Shrader
1984-85	NF4T	Rick Turner
1985-86	WA4MMP	Bill Shaw (SK)
1986-87	KF4TE	O.P. Ditch
1987-88	KZ2E	Rick Norton
1988-89	WD4ECK	Stu Mitchell, Jr.
1989-90	K8EI	Loyd Davis
1990-91	KC4AFT	Ruffis Taylor
1991-92	KM4UI	Bob Lindley
	WA2IKI	Dale Carlsen
1992-93	WJ4M	Jim Neff
1993-94	KD4KBT	Ed Quinto
1994-95	KQ4VN	Chris Edge
1995-96	N3DAN	Paul Bauer
1996-97	KC4ZHQ	Jim Stearns
1997-98	K4RG	Bob Graham
1998-99	WD4KOF	Jack Carwile

Chapter X

Society of Wireless Pioneers

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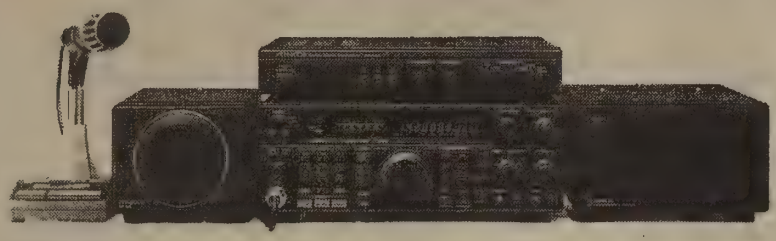

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WANTED: Operator's Manual and any other associated information for a Kenwood Model TS-180S SSB Transceiver. Also need proper 4-pin microphone for this unit. Joe Koester, 1020 Huron Drive, Crossville, TN, 38555, 931-788-1360, jwkoe@itlinl@.net

FOR SALE: Entire station for sale, includes Yaesu: FT 990 with all band width filters, Fl 7000 solid state linear, SP 6 speaker and YH phones. MFJ: 3 KW Tuner J986, SWR analyzer J259, antenna switch J1704 and Dummy load J264. Heil phones with mike attached. Palomar Tuner. Bencher paddle key. Low pass filter. All in excellent working condition. All manuals, connecting cables and two trapped dipoles. Asking $ 1995.00. Will keep rig connected until sale. If interested call Dave KE4CYY at (703) 525-1563.

WANTED: (1) Vibroplex Deluxe Semiautomatic keyer in WWII battleship gray (2) J-36 military keys by Vibroplex, Bunnell, Lionel, etc. (3) Coast Guard / Navy RM or MM Radio Officer's speed key in carrying case — for private collection by senior Coast Guard officer. Also other straight keys / bugs / keyers with naval history and incomplete / broken bugs for restoration parts. wb4rhb@arrl.net

FOR SALE: Antenna Tuner MFJ 962 Versa Tuner 1.5 KW, new condition, $60 firm. CW keys Bencher and straight, new condition, $25 each firm. Sharp PC-4501 computer, 256K ram, 720K floppy,

exc. cond. $80/obo. Astatic mike, T-UG9 $8. khenders@ix.netcom.com, (703) 780-2939. N4HAM.

FOR SALE by original owner: Furnished split-foyer single dwelling of about 2K sq. feet. having brick front and 1/2 sides plus double-insulated vinyl. Located on 1/4 acre in Lee District, close to Huntley Meadows Park and near Ft. Belvoir. Very quiet area w/no through traffic. House is A/C. Upper Level: 3 BR, 1 BA, 1 Ham Shack room; L/R w fireplace; 10' X 10' fully equipped kitchen; D/R leading to 115 sq. ft. deck; oak floors and W/W carpeting. Lower Level: 1 BA; Paneled rec. room; library w/fireplace; utility room w/W&D; 11 ft. workbench, etc, etc. Antenna Farm: 30' Rohn grandfathered tilt - over tower (non-guyed) w/ Mosley Classic 36 6 element HF beam and CD rotator; 2m Ringo Ranger @ 33 ft; 4 element 2m beam & rotator; 18" satellite TV dish; Mosley ground-mounted vertical; trapped inverted HF "V" cables etc, with manuals. In Shack: Drake MN4 matchbox; Kenwood TS820S H.F. w/analog-digital readouts; VFP ANC - 4 noise canceller; MJF Super Log Speech Processor; Azden PCS 7000H 50w 2m transceiver; DC power supply; manuals and numerous other items. (703) 780-5459 KA4MFF. jstreet42@erols.eom.

WANTED: Geiger counters, Geiger tubes similar to Raytheon CK1026 or any other Geiger-Muller tubes or radiation type detectors or items. New/Old/Working or non-working. Write to: Lee K3ECD, 6337 Evelyn St., Harrisburg, PA 17111-4206 or call (717) 564-4529 or e-mail K3ECD@worldnet.att.net. [06/99]

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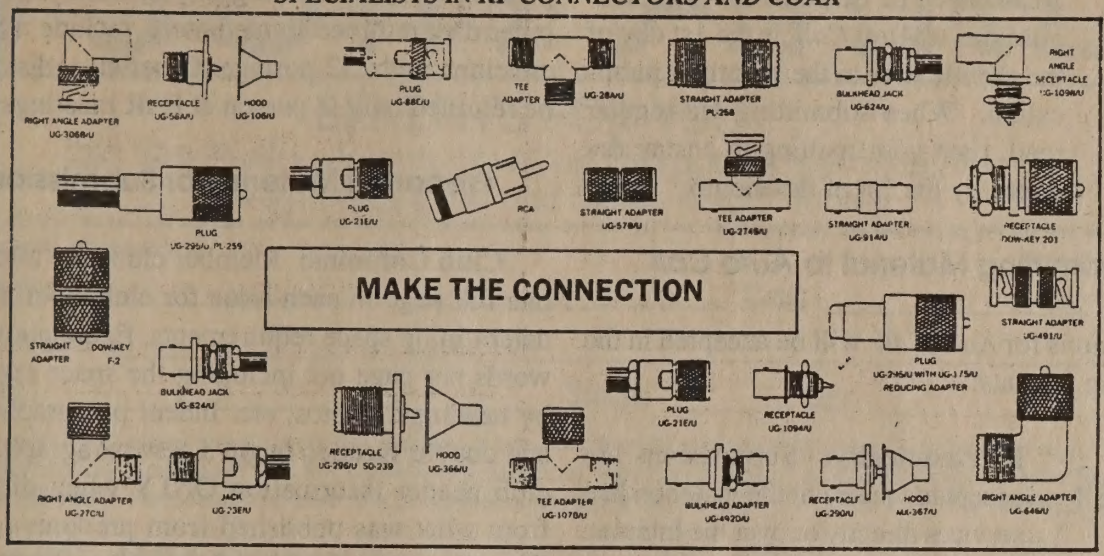

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Auto Call Production Policy

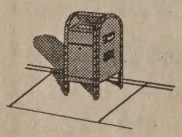
Deadline: The deadline for ALL submissions to *Auto Call* is the 1st day of the month prior to the month of publication. When submitting via regular mail, time your mailing to ensure delivery by the 1st of the month.

Submitting Material to *Auto Call*

Submissions for *Auto Call* will be accepted in the following formats:

Electronically: Submissions are accepted via any of the major on line services directly or over the Internet. Use the format exactly as follows:

Internet - JohnQueen@AOL.com
America On Line - JohnQueen
AppleLink - johnqueen@aol.com@internet#
BitNet - johnqueen%aol.com@cunyvm
CompuServe - INTERNET:johnqueen@aol.com
Connect - johnqueen@aol.com
Delphi - internet"johnqueen@aol.com"
FidoNet - To johnqueen@aol.com<CR><CR>
GEnie - johnqueen@aol.com@inet#
MCI Mail - mbx: johnqueen@aol.com
Prodigy - johnqueen@aol.com



Regular Mail: Mail typewritten or computer generated hard copy to: John Queen, Editor, Auto Call Magazine, 755 Woodland Way, Owings, MD 20736. Ensure that your printed material is dark enough for scanning.

Computer Disk: Submissions are accepted on 3.5" or 5.25" computer disk, in either Macintosh or MS-DOS format, using Word, WordPerfect, or standard ASCII text files. Write your name, telephone number, and club name on the disk. Submit graphic files (club logos, etc) in an EPS or TIFF format. Please verify the readibility of your computer files before sending. If you want your computer disk returned immediately, include a SASE envelope with .32 postage. Otherwise, disks will be returned only in person at FAR meetings.

Preparing Material for Submission

Club Columns: Member clubs are allocated one full page in each issue for club columns. In determining space requirements, figure about 700 words per page not including the space taken up by headings, photos, etc. Indent paragraphs .25" and double space to begin a new paragraph. Send club header information ONLY when different from what was published from previous month. The editor reserves the right to edit any submitted material for space, content and/or applicability.

Hamfests/Events: Member clubs are allocated one full page per year to promote one club sponsored hamfest, convention, or special event. Submit clean black & white camera ready copy only by mail. Master copy should be in black ink on white paper and should be in proper page ratio, (Copy space is 7" wide by 9" high). Copy can be reduced or enlarged as necessary. Electronic submissions of Hamfest ads will not be accepted.

Photographs: The editor will select the best photograph submitted for the cover each month. Photographs should depict club members, club stations, or amateur radio related events that are current and noteworthy. Clubs may also submit photographs for inclusion with their club column. Photographs will be used in columns when space permits. Either B&W or color photos can be used. For each photograph submitted, write your name, phone number, and club name, along with a description of the photograph on a piece of paper, and tape it on the back of the photograph. Do not write on the back of your photo. If you want your photos returned immediately, include a SASE envelope with sufficient postage. Otherwise, photos will be returned only in person at FAR meetings.

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Area Club Meetings - JULY 1999

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 Anne Arundel	2 Mobileers Charles Co. Shenandoah	3 Green Mtn.
4 Kent Island	5 DOSARC	6 Antietam	7 BARC Montgomery	8 Fauquier AMRAD MADRAS Mid-Atlantic Mt. Vernon HEMARC	9 Vienna So. Maryland Alexandria	10 North Point
11	12 Carroll Co. Potomac	13 Leisure Frederick Woodbridge	14 VOA **FAR - VA** Exp Post	15 Anne Arundel	16 Shenandoah	17 Capital City QCWA 91
18	19 OVHA Sterling Park	20 Antietam Arlington	21 BARC Montgomery Goddard QCWA 137	22 MADRAS St. Mary	23 Vienna Central MD	24
25 Adventist	26 Green Mtn. T-MARC Calvert	27 Columbia	28 Laurel Exp Post Moose Carroll Co.	29	30	31

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